

caacaacagc taggaaggca cagcaggccc g

151

<210> 12017

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220137c05a1

<400> 12017

ctcaaagca acccaaaacg caactttcaa tacccaacac agaccacccc aaaagacagc 60

acggggcata atccagaacc accccacagc agacatagcc acgaccccg c caacacagct 120

caacaacaac taggaaggca c 141

<210> 12018

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220137c06a1

<400> 12018

ggcttttagg tcgttggtggg tggtttcaac tcggatcaca tccctgcttg cgtcgttcct 60

ttctgtctct accttttcgg tctctctctc tctctctctt tccaagacgc agagctgaat 120

taatcggcat tcatcacatc acagcgacac cagccctgat ttatcttttt ctgcctttgt 180

acctgtataa tatgcacaga gacagaaaga agggcagtaa gtatcctccc ggngagtctt 240

ctaactctca atcatcagaa aaagatgatc acaataatga taaaaatctt gctgaaggat 300

ctagtaaacc agagctgagt aacaagaata ctccacaatc actgaaggcc aaatctaaaa 360

ttgttaagaa atccaacggt ggtaagttca agaccataat aaataaaggt tctcaacaga 420

ttgngggaaa gagaagactt agaaagaaca aanaagtagt 460

<210> 12019

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220137c07a1

<400> 12019

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aaaatgaaag ttgatcctat gcctcttgaa taagggttaag ttgctgaaga gggaatggat   60
gcgaaaaggt ccataaaagg gttctcccaa gtgtttgact ctgaaagctc aaccagtaag  120
cagcagcatg ggaccgagag ggctcttctt gagttaattc ttccttgcat agatcaaagc  180
tctgatgaat ctcgtaattc ctttgcaagc gatttgatca aacaattaaa ttatattgag  240
caacaaataa ctttagttac tcgaggacca agtaagccaa cagcaagtac tcctgtgact  300
gaaggtcaga caaataaagt aaatagccgc aaaactataa gaggtggcag ccctgggtta  360
gccagacgac caacacctgc accagattct tctccacttt ctctgctgc tttgcgagca  420
tcaatatctn tacgtgtgca gttactcatg agatttcttc ctattctttg ctcagacggg  480
gcagtcttct gcaaggagca tgagatacat gc                                   512

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<210> 12020

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137c07d1

<400> 12020

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aaaaaaaaa ccctaatagt taacatttgg aaaaaaaaaa cccacaccaa gagaaaaata   60
agaaagaaaa aaacgcgaga cccccccaaa aaaaaaacia aaacaccaaa aagccggagg  120
aaggcacaaa aacgccaata ccaaacaac cccgccaaa aaaaacggaa aaagtacaaa  180
caaacgccaa gaacaccaaa cc                                   202

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<210> 12021

<211> 567

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220137c08a1

<400> 12021

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ggtggcttcg ggggtttaag gatcttcagc cgtctgttga tcccagtgcc ctatgctgat  120
cccgccgatg agtactgggt gctcatcggt gactggttcg gcaagagcca cactgccttg  180

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aaacatacat tggacagcgg acgcagcatt ggcaggccca gtgggggtcca catcaacggc 240
 aagaacggcg ggctcgaggc cctctacacc atggagcccg gaaagaccta taagtacaga 300
 atctgcaacg ttggggctcaa ggaagccctc aacttcagga tccaggggcca ccccatgaag 360
 ctcgttgaga ccgaaggctc ccacgttggt caaaacacct atgactccct cgacgtccac 420
 gtcggacagt gcttcaccgt cctcgttacc gccgaccagg agcccaggga ctacttcatg 480
 gtcgcctcca cgcgcttcac gaagaagggt ataactgcca cgcgcgtgat tcgttactcg 540
 aatggcgtcn ggccccgcatc ccctctt 567

<210> 12022
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137c08d1
 <400> 12022

ttggattttt ttagtaaaaa aaacacccta ttatccccct ttttgaaaaa aaaaaccac 60
 acaaggggaa aaagggggga gaaaaaaccc cgacacaccc cccaaaccaa aaaaaaaca 120
 ccaaaaagca a 131

<210> 12023
 <211> 140
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137c09a1
 <400> 12023

cccagctgct agccactacg gaaccggctt tacttttcaa agaccactcc acaagacagc 60
 acggggcagg attcactcgc aacccccagc agagacgggc acgaccccg ccaacacggct 120
 caactacagc taggaaggca 140

<210> 12024
 <211> 145
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137c09d1

<400> 12024

acgaactttc atcacacgaa aaacaacacc attatgcaaa gttttggaac aacaaagcca 60
 aaccagggca aaaaagggag aacaaaaagc gaaaacaccc ccaaccaca aaacgaaagg 120
 gacaaaaaac cacagcaccg cccac 145

<210> 12025

<211> 606

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220137c10a1

<400> 12025

gctgtggcaa gtgggtaaaa ctctctggtt tagatctttt gcctggtgat gttgtctcca 60
 taggtcgctc ttctggtcag aatggggagg agaagtctgt accagcagac atgcttctat 120
 tggctggaag tgtgattgtg aatgaagcct attctgacag gcgagtctac tcctcaatgg 180
 aagatttcaa tcgcgggtag ggcgatggag gagacattgt ctgcaaagcg agataaaaac 240
 catgtgttat ttggtggaac taaaatattg cagcacactc cagataagag ttttcctcta 300
 aaaacacctg atggtggctg cttggctggt atcttgagaa cggggtttga aacaagtcaa 360
 ggaaagtga tgcaacaat cttattctct acagaaaggg tgactgctaa tagctgggaa 420
 agtggattct tcattttatt cctggttgta ttgccccta ttgctgctgg ctatgtgctt 480
 gctaaggggt tagaagatcc cacaaggagc aagtataaac ttatactaag ttgttcactt 540
 attggtactt ctgtgatacc tncctgagta ccaatggaat tatcaatagc tggtaatact 600
 tctctg 606

<210> 12026

<211> 144

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220137c10d1

<400> 12026

tgatcctggg cggaaccaga agcaaactat antgcctatt aggagacca aacagagccc 60

ggcgagaaca gggggacaac agaaaacccg agacacaccc cacaccccaa acaaaaccca 120
caaaaaacga gccggaagcc aaaa 144

<210> 12027
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220137c12d1

<400> 12027

tgnngnanna nnnaatttta ttgaacttta tttacaacga acagcccacg aggggaccaa 60
cggggcaacc cgaagcggga caaaacggcg caaggaaaaa aaccgggggc caaagaaaca 120
aaaaacggaa atgctcttcc caaggccaaa accaaagggg gaaaaaaaaa ggccccaag 180
ggggagggcc aggggacacc caaaggggca cccaaaacaa cccaaagaga ccaggccggg 240
aaaagccgga agggggaaca cagaacccca caaaagccca caaagcggga cggccangcc 300
aaagacccca ggccctggga ccagggaag agccagggcc ctcaaagcaa cccaaaggga 360
caaaagcccc ccccggtgt ttgttcttcc ttggggcccc aggaatgctc ctttggggcc 420
cccaaagga aatacccagg aattcaatgg cccaaatggg ggggtgg 467

<210> 12028
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137d02a1

<400> 12028

ctcaaacgca acccaaaacc caactttcaa tacccaacaa acaccaccgc acaagacagg 60
acggcgcata atccagaacc acccccagc agacacagcc acgacccaac caacacagct 120
caacaacaac taggaaggc 139

<210> 12029
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137d03a1

<400> 12029

ctcaaacgca agcacacacg gaattttcta tacccaccaa agaccaccgc accagacagg 60
gcgggtcata atctagaacc acggcccagc agacatggcc cggacccac cgacacggct 120
caacaacaac tacgaagg 138

<210> 12030

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137d04a1

<400> 12030

ctcaaacaca accaccaacg cacctttcca tacccaacac agaccaacac acaagacagg 60
acggggcaca atccagaccc accccacaga agacataggc acggccgagc caacacagct 120
cgacaacaac taggaagg 138

<210> 12031

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137d05a1

<400> 12031

cgcgacgata cccagagtga cacttttccg tacaatcttc cttagataa aaacgaagag 60
ctgaggggag cggaatgggc actctgcagg ctgccgacgc atcgccgagc cgacgggatg 120
ctcgtgacat agcgggggac ccctgggtaa cgcgggaccc taggtctgac agagtcgagg 180
atactgacgg ctgagaggcc gtaacatggc gctgcggggc aaccactgc gctacgctct 240
gtggcaagtc aagcttgcaa ggcgagaacg aggagaggat ccaccgaaag gcatcggaac 300
ctgactatga actctgagaa aggacatctt cgcaggacat gaatgacatt tagaatctca 360
tcaactgctga accgggcatg atgcatttca tg 392

<210> 12032

<211> 565

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220137d06a1

<400> 12032

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 tcatttccat ggctcacatg aagaagccca cctggtcgtc ggctggaatc ccngtctcc 120
 cgaaccctgt cctccgctcg atccccctcc cccggaagga agaaagggaa ggaggcacca 180
 taaccctgaa agccaagggc ttaagaaaaa ccaaggagcc caaacctaaa aaggtttcca 240
 gacctcgcaa cctcccact catccttctc acgaagagat ggttaaagat gcaattacct 300
 cgctgaagga gaaaaccggt tcgagccaat acgcgattgc gaagttcatc gaggagaagc 360
 acaagcagct tccaccgaac ttcaagaagc ttctttctcta ccatttgaag aagctcgctg 420
 ccgcccggaaa actcgtcaaa gtcaaaggct cgttcaagct cccacctacc agacctgctg 480
 catcttcttc ttctttctct tcgcccggcaa aagagaaaaa gcccgagct gccaaagtcca 540
 agcctaagcc taagcccaag cccgc 565

<210> 12033

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137d07a1

<400> 12033

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 ccctaaccac taacaagctc ttttcatatt catggatcct ccggattctc agtcccagga 120
 acaggaagcg cccaagaaga acggcgctcg tttttgtcat tctgcgatgg atcctcgca 180
 ttctttttct ttctcctctt ttctctcgat tccctttctg cttggcttac tggttctcat 240
 gttcgccgat ttctccatcc ccaaccccat ttctctcccc tcacagtgc aaatcgctc 300
 cactggtggt gatattaggt catctaagat atgtgaactt ggattgtag attataaagc 360
 acaggatgtg ttccatcatt ttgaaagaag caaatttcgc tgccgttatg attactattg 420
 ggcttcagta ttcaagggtg aatataaaga tcacttttct ggtcagcaca agttgcattt 480
 gc 482

<210> 12034
 <211> 133
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137d07d1

<400> 12034

ttgggtttttt tttttaaaaa aaaaacccta atattacaat ttttgagaaa aaaaaccac 60
 acaaggggac aaaaggggaa gaaaaaaacg ccaaaaaccc accaaaacaa aacacaaaca 120
 cacaaaaaca gga 133

<210> 12035
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137d08a1

<400> 12035

cccagcggca acacaaaagc gaaccgcca tacgctacac agaccagacc gcaaggcacc 60
 acagggcagg atcaagaccg acgccacagc agagacaggg acgacccac cgacacagct 120
 caacaacaga gaggaagg 138

<210> 12036
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220137d09d1

<400> 12036

ggggaggaag ataggaagag aaaaagaaag aggaaagga agaaagaagg ggaggaaaag 60
 gaagaagata aaaaataaga aacagacata atnnncacaa ggggnngagg agatgagcgt 120
 ccgaaaaccc gggngagagc ngataggggg cgggcgacct gggaantttt atagaggaaa 180
 aaaaaaaaaat taggggagtt tatggaaaaa aaaaggaaaa aaggggaaaa aaggggggag 240
 aaaaaaggga gagaaaaagg ggaaaaaaa acaaaagagg aaaagaggag gagagaggaa 300

aaaaaaagga aaaggagaag aaaagagaaa aaaaaaaagg gagagaaaag gaaaaagagg 360
ggaag 365

<210> 12037
<211> 139
<212> DNA
<213> Glycine max.

<223> Clone ID: jC-gmf102220137d10a1

<400> 12037

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acgggggcagg atgcacacgc aacccccaga aaacaccagc ccggccgagc caaaacggat 120
caactacggc tacgaacgc 139

<210> 12038
<211> 155
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137d11d1

<400> 12038

tttttctttc cggttcctac aagcgacta tcttttttct tagggagacg caaaagaacc 60
acgcgggcac gggggagctt aagaaaaccg aaaacgaaca cacaccgcaa caaagacaca 120
caaaaaacga gccggaagca gaaaaggaga aacct 155

<210> 12039
<211> 52
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220137d12d1

<400> 12039

tttntttttt aacacaattt attaacaatt tttctanncc aaanaaaaac gg 52

<210> 12040
<211> 342
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137e02a1

<400> 12040

tggagccaat tcaatgggta tggcttatta taatgtagca tgtcttgcaa ttgttgatgg 60
 agggacagag cctagaatgt cgttcgtaa agcttcaatt gttatcgggtg gatatcagtt 120
 ggaggacaat cttttggagt ttgatgtggg cttcctccaa attaaagctt cagctcatcg 180
 ctggtgctcc acaatgccac atgttcacgt acttgaatgt catagcctta tagccttatt 240
 acgtgttgaa attagccact ttcaattatc tagtagcttc tatactcttc aatattaata 300
 ttatataata aaatatttaa ttaagtttgc tatgttgtaa gc 342

<210> 12041

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137e03a1

<400> 12041

caaacgcact cagagagaga gagagtgaga tcgaccaccc caagaggaaa ccaccaccca 60
 cagcctaacg gtgagcgaag aagacaatgg ccaccgccac agccaccagc agcggcaccg 120
 gaagcggcag cggcaccgac agcaggtagc cgcaaattac aatggatacc gacagtacca 180
 cccgacaacg ccagctcggt cgctcgctgc ggcgtcgctc aaaggatgct gttgctgtct 240
 gttccttcta ttctcggtcc tggcgctggt ggtgctagcg gtggtgctgg taataatcct 300
 agcgggtgaag ccgaagaagc cgcagttcga tcttgagcaa gtcgggggtgc agtacatggg 360
 catcacaccc aattccccct ccaccgcttc cctgtctctc accattcgcc tcctcttcgc 420
 cgccaccaac ccaacaaggg tccgatcagg tacggccagt ccagcttcac gtcatgtacc 480
 gcggcatccc cctcgga 497

<210> 12042

<211> 575

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137e04a1

<400> 12042

gagatttccg acatacctgg aggatttgat tcttttgaga aagcggcgaa gttctgttac 60
 ggcgttaact tcgagatcac gggtcacaac gtggcggcgc tgcactgcgc cgctgtgttc 120
 ctccagatga ccgacgagta ttgcgaacgg aaacctcgcc ggaaggacgg aggattttct 180
 ctctcaggtc ggccctctcca cgctccacag cgccgtcgcg gttctcaaatt cctgccaaaa 240
 gattctcccc ttgcgcgcgc aggtcaacgt cgttgaccgc tgcgttgagg tcatcagctg 300
 caaggcttgc aacgaggcga attttccgag ccagtcgcgc ccgaactggt ggacggaaga 360
 gctcgccgtg ctgcagctgg attccttcgc gaaggatgat gccgcgatga agcagcgtgg 420
 cgcaagtac ctaaccgtcg ccggagcttt gattacgtac accgaacgcg cgctgaggga 480
 gctcgtaagg gatcactccg gcggcggaag aaggatccgg tcaccggaat ccggagactc 540
 cgattcggag tcgaaagaag cgaacagcgc gagct 575

<210> 12043
 <211> 649
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220137e05a1

 <400> 12043

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 cttgggctga cttggactgc tgttgtggaa agaaacatac gttcaatatt gtttcttgtt 120
 tgtgcaatta tttgtggcta tatatatcaa gtgtccacca tttcggttaa gctaccaggg 180
 gctgggagag cccttgtgct ttgcagcatt tgggcctttt gccacttgtg ccttttattt 240
 attacatggc agttcaaggc tacctcagct acctaattag aatgtcttat aatatttgat 300
 ttttcattgt tttgatatgg aatgatttgg acagtgtgat gaaccatttc cccttaagtg 360
 gaacggttct ttcagcatca attcttgttg gcttcacaac atctcttata ttgttttgca 420
 gtcatttcca tcagggtggaa ggagacaagg aggttgggaa aatgtcacct ttggtacctg 480
 cactttcttt aaattgaact tttttctaatt ccattgttaat gatgtgaatc tacctatggt 540
 acttatntc catttctctt tcangttaga ctgggcactt aaaaagggtgc anaggtagtg 600
 aaaggggcag tctttatgct ctatgcttct ttgggtgctt tgggtctaatt 649

<210> 12044
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220137e06a1

<400> 12044

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 ctgcctgaaa aaaaccctc aattccaaac cttgcgatc cgatccaggt caattaattt 120
 ctctctctct ctctctctct ctagaatggg tttccaacg cgcagatcta gcgtgcccga 180
 tctttcccgaggccgatgc ctncgaaatc gaccacttcg accggttacc ggactcgctc 240
 ctctttttgg ttttcaacaa gatcggcgac gtcaaagccc taggccgctg ctgctcgtc 300
 tcgcgcgct tccactccct cgtcccgag gtcgaaaacc gtcgtcgtcc gcgtcgactg 360
 cgtcatcttc gacgacgact cctcttctta cgnccgnc ttcgacaagt cccgcggccc 420
 cttctggaac ctntccgnc tcgtcttcgg cggaatcgtg aaaccca 467

<210> 12045
 <211> 650
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220137e07a1

<400> 12045

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 gttgtgaatg cattccctga ggaagatggc ctctgaaat tccggcaatg gggtgagtca 120
 ccggatccca ccaccttgg aagggttgaa tgcaaatagt ggttcaaatt ccagaaagaa 180
 aggggtcaaa aattgaagaa aagatgaatt cctcaagttg caatgttaaa gagtctgcgg 240
 tgatgcaaaa catctgccat gtcaggagc aaaatgagtt gtcagattac atccaagaaa 300
 taaaacaaac tttcttcaat aagcatagaa atgtagcaa gaattggcac attccttctt 360
 cttttccaag tgatactgtt atatctgctt actattctcc ccatgttgat aaatccactg 420
 agccattcac atgggggaaag ccagatcatc ttgttcttcg aaaattgtgc tgggagaaat 480

ttgggtggac tggccagaaa gcagatgaat ngatcctacc agtcttaagg agtataacca 540
gcgtgagact caattgcggt tggaagcatt ttacaatttt aatgacagat ttgcacaaaa 600
tcgtagtaaa agaattaaga aagcgggtaa aaggaatcac tggtaagcag 650

<210> 12046
<211> 180
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137e07d1

<400> 12046

tgtgaatttt tttttaaaaa aaacacccaa ataattccct ttttgcaaaa acaaaccxaa 60
acaaggggac aatttggaat attaaaaacg tcaaatcccc acccatcaaa aaccxaaaca 120
caaaaaactc tcacctacc acaaaaaact caaatcacc acaaaccaac ctcaaaacaa 180

<210> 12047
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137e08a1

<400> 12047

cccagccgca agccaaaacc aaacggggcaa tacgttacac agaccagagc acaagacacc 60
acagcgcagg atccagaccg aggccacagc agagacgggc acgacccggc caacacggct 120
caacaacagc gaggaaggca c 141

<210> 12048
<211> 83
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220137e08d1

<400> 12048

aggacgatcc atccgaagnt tcacggggca cgagctcaca ggcgccggcc gcccttgaa 60
tcactcaaga acaaaaacac acc 83

002230 "E.F.F.550

<210> 12049
<211> 615
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220137e09a1

<400> 12049

ctcgagccga ttcggctcga ggggggtagt tgattctctc attcacctcc catcatcatt 60
ataatcattc attccaacct acccttattc ttcttcttca atttcacacc catcatggac 120
cgttttccga tctcttttct cgtcggcacc cttcatcacc ctgcctccg gtgcccgcga 180
cgatattctc cggttaccct ccgaagcttc caggttcttc aaagcacctg ctaatgccga 240
tcaaaacgat gagggcacca ggtgggcccgt ttagttgcc ggttccaatg gctactggaa 300
ttacaggcac cagtctgatg ttgccatgc atatcaacta ctgaggaaag gtggtgtgaa 360
agaggaaaat attgctgtat ttatgtatga tgacattgct ttcaatgaag agaaccacg 420
gcctggagtc attattaaca gtccacacgg aaatgatgtt tacaaggag ttcctaagga 480
ttacgttggg gaagatgtta ctgttgacaa cttttttgct gctatactng gaaataagtc 540
agctcttact ggtggcaatg gggaagctgt ggatagtggc cccaatgatc atatatntat 600
atactactct gatca 615

<210> 12050
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220137e09d1

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caaaaagccg aagaaagcgg aaacaaccca aaaggacaca aacacagcac caaaccaaag 180
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ggggcag 247

[illegible]

<400> 12051

<210>	12052
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<400>	12052
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<210>	12053
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<400>	12053
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5515

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 caagttg 487

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 <212> DNA
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<400> 12054

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 caccaacagc taggaaggca 140

<210> 12055
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 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137f03a1

<400> 12055

ctcaaagtca agccaaaacg aaacttttaa tacgcaacia agaccaccac acaagacagg 60
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 gaacaacagc taggaaggca c 141

<210> 12056
 <211> 356
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137f04a1

<400> 12056

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 cagacaacag ctaggaacgc acagaacata ggcaagagga ggaaacaggc gctatgaccg 180

ggggaccttt ttgcaagtgg atttttgtat ggagtgggtca agggtttgtc actagaagaa 240
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 acgtcggaga attggcaatg gatgtacaag cagatgcaga taaacggact gcccacgcct 360
 tccggtttat gcaaataaat agtagcaacc gttgccccct taatttgtgc tgtcttatat 420
 tttactggat ttaatgttgt ttttcttatt ctattgactt ctattattca tttcacacaa 480
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 <223> Clone ID: jC-gmf102220137f07a1
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 gactccgtca tcttcaactct cgaattccac cttgagcctc ttctccttcg ccttcgccag 180
 cgtcgaccgc tgctccttcg cctccgacgc gcacgaccac gactccttag cctccgaaat 240
 ctcaactccat ttggcagcac aggatcatga cggtgatttc gctcatagcg aaagctggag 300
 cgggtccagat ccggatctgg atccgaataa acgacaacaa caacgacatg cagatacaga 360
 ttcagatgca gcacacacga agcatcgccg aaatcgtttc tccgggaaag gagagaaagc 420
 gaaagttcaa aaggaagaag acagtgacgg tggtagacct gaggacggaa atcaaacactt 480
 ggaatttgat tcggccagaa actctttctc tctggctctc aaagatgccca ggatcggagg 540
 tcaagatctg ggcgttattc aagaagcacg atcggcgaaa gcctgcttcg tagatctgaa 600
 catgcccatt gcatggcatg ttc 623

<210> 12060
 <211> 158
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137f07d1

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cccagaggaa aaaaggggaa gaaaaaaccc ccacacccca cccaaaacaa aaaaaaaca 120
acaaaaacca acagaaagcc aaaaaaaccc caaaccca 158

<210> 12061

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137f08a1

<400> 12061

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acggggcagg acccacacca agcgcacagc acagacagcc accacaccgc cgagacggcc 120
gaacaccaga gacgcaggga cgaaccgccg ggaac 155

<210> 12062

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137f08d1

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accaggggac aaagggggga gaaaaaacg cggaacccc gacaaacaaa accaaaaaaa 120
aaagaa 126

<210> 12063

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137f09a1

<400> 12063

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ctcaatcctc aacctctctt ctgtgacttt gacttcatgt catagccaag gtgttgacgg 180
 cgacgcattg ccatcttaca tgcattggacc tgagcatagc gaaccaaca tgcctctcac 240
 catcgaggca tctaactatgc ctgcgcccaa ggccgggtgca gttctcatca aaaccaaagc 300
 ctgtggagca tgccactctg atctacatga tatgcaagga gaaactacgc tcgtcagacc 360
 ttgtgatgca gagcatgaca ttaccgggtga ggctgtagca catggagcac tcaactgacag 420
 ctaaaccata gaaagggtgc cagtcggatc tcgagtagat gcagccttca tcatgcc 477

<210> 12064
 <211> 176
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137f09d1
 <400> 12064

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 accggggcaa gggaaggaaa gaaaaaacg acacccccca tcaaccacaa aacaaaaaca 120
 acacaaagaa gcaaaaggcc acaaaaatgc caaaccacac caaacccgcc caaaaa 176

<210> 12065
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220137f10d1
 <400> 12065

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 ggaatgaaaa aaccgacacc cccccacaaa accaaaccag aaaaacacaa aaggagagc 120
 aaggggccac aacgccaag cccacaaacc aggcacaaaa agaagcggaa aagcacaac 180
 acacgggaag gggacgaaac ccaatgaaac aacaccacc c 221

<210> 12066
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 12066

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 cgaccccaca agccggcggc cgccctnaaa aanaaaanaa aaaattaaaa cacctattaa 120
 aagaaaacaa aacacaaaag ccaccataaa agaaaaaaa aaccgcgcaa aaccccccaa 180
 caccaaaaaa aaaaaaaaaa aaaaaccaa aaaggggaaa aaacaaaaaa aacaacaaaa 240
 aacgaaacac aaaaaccaa acaccaaga caccaacaaa aaagcgcaaa aacaaaaaca 300
 aaaacaccaa aaaaaaaaaa cacaagaacg aaaaaanaca caaaaaaaca 350

<210> 12067

<211> 370

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137f12d1

<400> 12067

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 aaagccaacc tccgcgcgga gactccaagc agaagaccac ccccgaggcc agagggaac 120
 acgcgccgaa aacaggcacg acacggagaa agggggcccga caccaacggc aagggaacaa 180
 cagagaaca ggaggcccaa acaacaacaa cacacggacc gcagagccaa ccacgaaaac 240
 accacaacca acccgcgga atagcagacc gcacccaac gtcccccgcc ccagagagga 300
 aaacatcaag caaacagggg gaaagttcca attaccaaga aacctggctc aagggatgaa 360
 aaaatagttg 370

<210> 12068

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137g01a1

<400> 12068

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caacaacagc taggaaggca cagaatgccc g

151

<210> 12069

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137g02a1

<400> 12069

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acggggcata atccagaacc accccaccgc agacacagcc acggcccagc caacacagcc 120

caacaacaac aacgaaagc 139

<210> 12070

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137g03a1

<400> 12070

ctcaaagtct acccaaaacg aaattttcaa tacccaacaa agaccaccac aaaagacagg 60

acagcgcata atccagaccc accgcccagc agacacagcc acgacccgac caacacaggt 120

caccaacaac taggaacgca cagcata 147

<210> 12071

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137g04a1

<400> 12071

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acagggcata ctcaagaacc accgcccagc agacgaaggg acgagagagc acaacacgac 120

tcaacaacgg ccaggaaa 138

<210> 12072

<211> 145

<400> 12074

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tcttcaaggg agagaataag ggacccttga gttcctaaag ctgcagccat ttggatcact 180
ttctgttatt caagatgggtg attatactct ctatgaatct cgtgcaataa tcagatactt 240
tgcagagaag tataaagacc aaggacaga cttggtggga aagacaatag aagaaaaagg 300
tctagtggaa caatggcttg aagtagaagc tcataacttt caccaccac tctacaattt 360
ggttattaat gttctgtttg cccattaac ggggtgctcct tctgaccaa aagtgataga 420
agagagtgat aaaaagattg agaaggtgct ggatgtttat gaggagaggc tgtcaaagag 480
caagtacttg gctggtgact ttttcaggct tgctgatctt agccaccttc catttgggtca 540
ctatttg 547

<210> 12075

<211> 162

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137g07d1

<400> 12075

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gggaagaaaa aaacgccaaa cccacccaa accaaaaaaa aaaaaccaca aagctgggga 120
aaccacaaa aaaggcaaaa cccaacaacc cccgccaaa aa 162

<210> 12076

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137g08a1

<400> 12076

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acagcccagg actgacacgg accgccgagg aggaaagaaa cagacgcgca aaacacgagc 120
cagcaagagc aaggatagga ggctatatat atcaagggtc caccatggca gataagccac 180

caggggctgg cagagccac ggcattgca gcaacaggac cagcagccac ctgcgccgta 240
gagccactac atggcagcac aagggttaccg aaactaccta caaagaatgc cacatacata 300
aggagcaagc acggacatga tatggcacga actggacaga gcgatcaacg cacgccccga 360
aagcggaacg agagcctcaa catcaagtcc cgacggcaac acaacaactc ttaacgagcc 420
ctgcaatcat caccatcagg cggaacgag 449

<210> 12077
<211> 103
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137g08d1

<400> 12077

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acaggggggc aaaaggggaa gaaaaaaagg caacaacccc ccc 103

<210> 12078
<211> 593
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220137g09a1

<400> 12078

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tgccattttg tgccatgggg tcttggttg cgatgtggct ggtgtccttt ctacgcgtgt 180
catgcagcta agtcttcggt gcgaaactaa gacaaaggac aatgtgtttg ttaatgtggt 240
tgccatcaatc caatatcgag cattggcaga aaaggcatca gatgcttact acaaactcac 300
caatacaaaa gcacagatac aatcctatgt ctttgatgtt atcagagcta ctgttccaaa 360
gatggaactt gatgctgttt ttgagcagaa gaacacaatt gcaaaagcag tggacgaaga 420
acttggaag gctatgtcag catatgggta cgagatagtt cagactctta ttgtggatat 480
tgtgccggat gagcatgtga agaaagccat gaatgagatt aatgctgctg caagattgan 540
ggtggctaca aacgacatag ctgaagcata gaaaataatg cagataaagc gag 593

<210> 12079
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137g09d1

<400> 12079

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acccagaaaag gagagacgac ccacaaactg cagacggagc tattatgaat aacaatcacc 180
gtgacagatc cacacaatgt ttttgtggga aggttctact cgctaactac agaacttaac 240
ttatttcaac aggtcttttg cagacttagt aaactctcgc cccgcctcct gcggtgccac 300
ctagaaaacc ttgaccgtca tcgagcgctt ctctgaatg cctcctccc gaccctgcat 360
tctgaaaaca aactttttgt tgccggtcac cctaaagtgc aaaataaatt gccaccgcct 420
gtaactttgc caacaccgcc gctaccgaaa g 451

<210> 12080
<211> 182
<212> DNA
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<223> Clone ID: jC-gmf102220137g10d1

<400> 12080

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ccacaaacca agacagggac ccgaaaaaca aaaacgacag caaaccgca cgaagaagaa 180
aa 182

<210> 12081
<211> 137
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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<400> 12081

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gaaaggggaa aaaaaaaacc gcaaaaaccg cccaaccgag ancaaacaga aaaaaaaaaa 120
acaaaaacag agacaga 137

<210> 12082

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137g12d1

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gaaggggaaa acaaaacagc ccaaagcgcc caccaacaca cgacagacgc aaaaagaagc 120
caaaacacag aaacaga 137

<210> 12083

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137h01a1

<400> 12083

cacagacgca accaaacacc caacctccca taccgaagca agacaagcac aaaagacagg 60
gcggggcata atccagaacc accccaccgc agacagagca aacacaccca caaaacagca 120
caacaacaac aacgaaggca c 141

<210> 12084

<211> 355

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137h02a1

<400> 12084

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acggggcggc atttaaacgg gccctcccaa gaggaagacg ccgaaagctc aaccaatgag 120

caacaacagc taggaaagc

139

<210> 12088
<211> 566
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137h06a1

<400> 12088

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tcagcgaatt cgtttttctc ttcaagcttc cggctatggc gtctggatcc tcgggtcgcg 180
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gactacgcca accgcgattc cacttccaac ggcaatcaca ccgatccgga ttttcacaaa 300
tcaaggatgg caagaacatc aatgtttcct actactgctt ataatccacc tgaagattct 360
ttaagtcaag atgtgattgc gactgtagag aagagtatga aaaaatatgc tgacaacctt 420
atgcggtttc tagaggggaat tagttcaagg ctatcacaat tggaattata ctgttacaat 480
cttgacaaat ctattggaga aatgaaatct gatataaatc gtgaccatgt ggagcaagat 540
tcaaggctga aatctcttga aaacat 566

<210> 12089
<211> 310
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137h07a1

<400> 12089

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gcacacaaa gacgccaact gcacaccacc ggattgaccg gaaagcacia cgcagaccga 180
ctgaaccacg agacatcacc agctcagccg tggacctgct ggacgatcag aggacgcaga 240
agccgaactg agcacataac atcggacccg gagccgcacg atgccagcgt caggaccggg 300
aaacagccca 310

<210> 12090
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137h07d1

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 aaataaaatt ttggcaaaat tctttgagaa aaatgttaaa tgtccctaatt ttgatatcta 180
 ttccaaaacc tttttcctca actttgcagt ttaacaattt gttgtgactc ctccaataac 240
 cattctaaat tccctctaac accccatccc cacccaaatt ttctctcact cctttccctt 300
 ctcatctctt ccttaaatta gtcgaataaa ccgagggtca agtgagaaat tgagtggaag 360
 ataaggacat tgatactgcc accaagaatg atatcatcaa acagtcaatc catcgaacct 420
 aactgcttg taagtcagag attgctttct tggactgac actatagcac aatccaccga 480
 aacctgaaca gcaggagaat cgaagttgat gacgcggatc ttggcagcaa cg 532

<210> 12091
 <211> 360
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137h08a1

<400> 12091

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 aaggaagaca gaggaccgga caaggacgcc acaggacga cacatgggag cacgatcgag 180
 gccacagaca cagtcggcac taagcacgcc gcaagagcca gcacagagcc ggagaccggg 240
 cccaacacaa caacaatacg gcaggcgcaa caccgggcgg acgcaggaga cacggacgcc 300
 agccacatgc ccagcaaaac agcacacgcg ccaagaccag acgccgacaa accgaaccca 360

<210> 12092
 <211> 531
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137h08d1

<400> 12092

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ttcttaatta ccaattggca ctttcatgaa aaaaattaac aatcaagaga gaaaacgtaa 180
ttacttcaaa aaaatttaaa attccttttg acaaagcttg gaattgacta aggaaagcaa 240
atctaggaaa tggagaacct tctctttctg ggcttgggtca agtccacagg ggcacgctcg 300
atgtgtgacg tgtccttaga cccattcttg aacgggttca acttgctcag tttcttggac 360
atggacgaga agaacgtggg ctttttagtg ggccaatat tctccctccc agacgacgac 420
gttccgtgaa cattcttctg caaatcgga atgaacattt tcattttatc agtccgacc 480
gcagctctc gttctccctc accaaggaca cgtcagcttg cagctgtttt t 531

<210> 12093

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137h09a1

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taggacgtgc caggacctga gcatatgtcc ttcccgtagc caatacactc ggacagatgc 180
cagaatgatt cgagatgacc aagtgtcag gagcaagcgg aactgtgca tgcagcccct 240
gataactgac gcgactgcat tcacttgatg gctcacgggtg ctaatatgaa cgttatacaa 300
ggacgggtca gaccaggtat tatgacacta cgggttcgac agtaggggtg acatttgagg 360
cttaaagtca gcggtgtc atcgtggaac cggcaccaca gaatatcttg tcaagacttg 420
agatgtaaaa agtcatgcaa atgggtgctag gtacgacgga catg 464

<210> 12094

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137h09d1

<400> 12094

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cagcaaatgt tttcgtgccg ctaatcaaca acgggttatt gggggaagat aaaatgaggc   180
gcctagatag gggaaccctt tcttgacctg ttcaaattga tgaggggaagc ctgctgcaca   240
caacccttga ttggtttcag gggcatgcag tttctttcaa gcctccccctt aatgcaccac   300
attacttctt ttttcgacca gccaatcttt aactcaatat tggccctgat gcaaattttg   360
tatttttagc cagcactatt cctaaagcca gggcacctcc aaacaatgct tgaagcctca   420
caccgaagta cttacccatg aaaatcctat tttgtttctt ggaattggct tccacaaaac   480
t                                                                                   481

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<210> 12095

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137h10d1

<400> 12095

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ttgttttttt ttttgacgac ccccaaaatt tatacctttt tgggagagaa ccaaacaacc   60
aacggggaaa gggaaagaac aaaaagaccg cccacccca agcacacagc aaaaggaaga   120
acacaaacgg aaacaggggc ccacaaaacc aaa                                     153

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<210> 12096

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220137h11d1

<400> 12096

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ttgnnttttt tnnnnacgac tatcaaaatt tataacaaag caccacagaa accggggaca   60
accggggaac acaaaaaaac ccaaagcccc ccaaacaca accagacagc aaaacgcaac   120

```

ccaaacacag aaaccacag gcaaaaaacc caaaaacaca acaaagcgca cgccaacaac 180
 cgaacaaaca acccacagca cgggacaaaa accaccaaaa agccgacaac aaagaaaaag 240
 aaaagacca aaacaacccc gcggccaaac accaccagca cagagaggac aacgaacact 300
 cgaagggcaa gccccggcga aaagcccaga cacaccacag caggagcggc aaccgacgcc 360
 ggcaccaaca aaccaccac c 381

<210> 12097
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137h12d1

<400> 12097

ttggtttttt ttttgacgcc tatcaaatc tataacaaaa caccacagaa accgagaaca 60
 aacagggaaa acataacacc aaaaagaccg cccaaacaca ccgagacggc aaaaggaagc 120
 caaaacacag aaaccgggag acaaacaacc aaaaaaaaga aaaaacccca cgagagggcg 180
 gacaaaaagc ccagaaaggg acagaaacca ataaaacccc caccacaagc gaaagcaaaa 240
 acctaaaaca atccgcaaaa caaaaaccac caaaacagcg atgacaacga gcactcgacg 300
 ggcaagccct ggcgaaatgc cgagacaaac cacag 335

<210> 12098
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133a01a1

<400> 12098

attcaactta agagatcaat atggccactt ttaccaagcc tccttctaata atagtgttcc 60
 tccttctggt gtttctagca cacttccatt tgggcaaag ccaagttgag ttgaattact 120
 actctaaaag ctgccccaaa gctgaagaag atatccagga acaagtcaca caactataca 180
 acaagcatgg aaacactgcc gtttcgtggg tcagaaatct cttccacgat tgcgtgggta 240
 agtcatgcga tgcataccta ctgttagcga cggtagcgca ttagtggtcg gagcaggcgt 300
 cggatagaag ttttgggatg agaaacttca agtacgtaaa caccatcaaa gcagcgggtg 360

agaaagaatg ccccttgacg gtttcatgcg ctgacattgt tgctctttct

410

<210> 12099
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138a01d1

<400> 12099

agcttagcnn tcnnnagggg nnnncggggn cccgcaaaga aacgtaatag aanncnctn 60

nnngtngngc gctactcgnc ggcggccgcc cttntttnt tttttttttt tttttttttt 120

acctttttga tgggggggctt tgttngctgg g 151

<210> 12100
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138a02a1

<400> 12100

gaaccatagg tgtagtagta tgtggtttgt tgtgtttggt ggagaagaat aagcacataa 60

gtgctttagg gaagagttct gggacaagtg aggataagga tgagtcagag gaagtgcttc 120

aggccacaat tgagaagagt aagaaggttc ttgctttgca aaggaattg cttcaacaga 180

tttctgaaag aaggaaactg gtttcttcaa taaatagtga aagcactcct gaaatagaag 240

gagacagcat ttcttatgag cacagtgcg aatccttgtc aagtgactca attccgcaga 300

aaggttcagc caaaagaggc agtgctgttg agaacgaaaa tgggtgttctt gtttcaagca 360

attatgtcca atctattgag aaggaaatac cagatgtctc attttaggc attgatctcg 420

gtttggacaa aggtgaagag gaagatgata atctgtctcc tgttgaaaag gcttcaccta 480

ggctatattt tgatgaacag ttgaatagca ggagatatga gacaataaca cctgataccc 540

tg 542

<210> 12101
<211> 626
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220138a02d1

<400> 12101

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ggttcaggcn nncnnnaggg gnnnnngggg ggnccggaaga tgtactgaaa ctgaanntnc   60
gtgnnnnggtt ngnnngcgcnc actcgncggc ggccgccctt nnnnnnttnt tttggccant  120
nnngtttctn nctttatttt atntattgct ggattggggg tttagctccc ttggtntgtg  180
cccgacctga catatataac aagtgtatta ttacataatc cttagtttag gggcaaaaat  240
gttcctccag gacctgcaac atgaagggtt taacaacttg accaagtcct ttccctgcac  300
agaccttgat atcactcagc atgagagcac tccatattga tcagtctgct taggtagagt  360
agaagccaag aattttaccat tggctacttag cagcaacaag aacctcctca tactgctgag  420
cagcattgtc ccaactaaga tcttgcgtca tccctcgccg ttggagccct tcccagctct  480
gcttatactg cctgaagggtc aacaagcagt tccctaatagc atttattaac ttgttaagtt  540
tctgcactgt caaatgtcca cccaaggccc gactcttcaa atggattaa aggcttcact  600
gtatccctca atccaccgac agcatg                                     626

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<210> 12102

<211> 534

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220138a04a1

<400> 12102

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ccttctctc cctctttccc catctcacat gatcgcgatg cacctctagg gtttctccct   60
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caatttcaag gagcaagcga tagaatacgt gaagcaggcc gtgcaggaag acaatgccgg  180
aaactacgcy aaagcggttc ctctctacat gaacgccttg gagtacttca agacgcatct  240
caagtacgaa aagaacccta agatcaagga agccatcacg cagaagttca ccgagtacct  300
gcgccggggc gaggagattc gggccgtgct cgacgacggc ggccccggtc cggcctccaa  360
cggggacgcy gctgtggctg caaggcccaa aaccaagcca aaggacggtg aaggcggtgg  420

```


gggccgaatt agaccagatg atcattcggg cactgatgat tacatagcca tgtacgaggc 420
 agccgtgagg cgcagcaag accttcgagc tgatgatact cgcagtggtca tgcaacaggc 480
 caatgttcac cgtgcctact 500

<210> 12105
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138a05d1
 <400> 12105

nnngggcgcg gggttgaact ttagcatnct cgntnngggg aagggcgcta ccagtcggcg 60
 gccgcccttt tttttttttt ttcatatgaa gctttcattt ttttaattga ggaaaatcac 120
 actacacact ttggcattac acatggctag ctcatagccc tgaaattaac tcgatacatg 180
 gccaaagctaa taataccata tgatctaggg atgggtatttt tgatcatata catgataata 240
 catgtggaaa cttgagatcc tccaagacaa gaaattgaag gtgatgttga tttgggcggt 300
 ggtgtggtgt cagaaaaaac attgttggtt attatttcat tcacaccaag catctttggt 360
 cgcttttttg ttcagttcca ccaatgcttt ggcgcacctt ggatgaaatg gaggatagtg 420
 aaatgggaaa accaggggtg tcagtgtccc taatcacatt gtaagaccaa gctgctaaaa 480
 ccgccccagt aataggtcca acataatata cccaaagtcc cttgtagtat tgatgtcgca 540
 attgca 546

<210> 12106
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138a06a1
 <400> 12106

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 ttttgtggtt taatgctcaa catgcttttg taagttgtgc tttgacattt gaggttgcaaa 120
 gcaaaattgc taaagccaac caagagggac cttacctagg tttaatcata ccaaattctt 180

ttgaactaga ccctcttctt cagaatcctg gctacacagc tagtgacacc atcatagact 240
 tcgctggaag gagatttcgc tttggagcca ttggtgacaa gcctgttata ctgggtcatga 300
 caggattgag cgtgataaat gcagctataa cgactcagct tctgctgagt ttattcacgg 360
 tagaaggagt ggtgcattac ggcattgctg gaaatgcaaa cccgttcttg catattggag 420
 atgtagctat tccccaatatc tgggctcatc tagcactatg gagctggcag aggtatgggc 480
 tagggcctga tgacacatta cccttggaag acaatggaga c 521

<210> 12107
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138a06d1

<400> 12107

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 ggtgagatta ggggtttaag attgatgcaa tacccttaag tatgggacca taaaaggcc 180
 ttatttgga agaagttccc tcttattctg acattcttga gccttgaagc aacttgggga 240
 aatctgtaac cgtggctgtc ctagacatca ggttcaggat cattattgac cagtctctaa 300
 cttgagacgg ttaaaaatga gtacataaaa taaatcttgg gtcattgtaca gtgatatgtt 360
 ggaaacacag aaaatggaaa aagaccaga tactaagaaa ctaaaactac aattttgata 420
 tggaagaaa ggatgtacac tgcaactatc tggacagatt aattcagtca ttgtactaat 480
 aaggaaagtg aaaaaaggat gagaaaaaat ggtaatgctc a 521

<210> 12108
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138a07a1

<400> 12108

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 tcttggcgct gcgaatcgat tgcatggggt tggagaatgc cggagcttcg tagtggaccg 120

cgacgacgtc gcgctccggt tgctcgtaaa agctacgaac caccgtctac ggccgggaga 180
 tacgtcaaga ctgcgctgc agccgccaga gaggcagcgg ctgtggagag gccaagaact 240
 cgtttgccgg ccaaaaaaga ggagaatccc cttataataa tatccgatca cactaagaaa 300
 gacgacgtg ccgccatggc cgacgagagt ggtggcttga gtgcagacaa gggcgcttgct 360
 caagacgatg acaccaacgc agtcctttt acggagaggg ttcaagtcgg aggatcacct 420
 gtctacaaag tagagaggaa act 443

<210> 12109
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138a08a1

<400> 12109

gacgcacacg agagtcggca gcacctcctt ctgcgacgat tgctctctct ctgtcgcgct 60
 ttgatcaccg acttaggcgg aaactaaaga ctaggcaaag gggatgaagcc aacagctgaa 120
 gagctgcgtc gcatcatggg ctagtagcat aataccgga atatgtctgt cactgctcat 180
 ggtgatcacg gaaaaccaac cctgactgac actgtgcgtg gctgctgctg ggattattgc 240
 taaggaagtt gcaggggacg gccgaatgac tgatacccggt acagatgaac ctgcacgagg 300
 tattacaatc aggtgtactg gtatctcact ctactctgaa atgactgatg 350

<210> 12110
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138a09a1

<400> 12110

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 gatttccgga attatcttca cctatgtttg actatgttca aactgggaac aagagacctg 120
 gttttgttcc agtttctgat tctagaatgt ctgccccaat tggtcttggt atagatgaat 180
 gtttagatga accacaccta caccatctac agagttcttt gcatgctttt gttgattctc 240
 tcccgccgac aacgagatta ggaattatac tatatggtcg tactgtatca gtgtatgatc 300

gttcaggaca aaatattatt tattattaat aatgtttcgg ctgctaattgt tgaagctaaa 360
gcaaaagagt tcaactgaaat ttgaaagag cagtactatc cttggtttgc acagtatatg 420
gttatgaaaa gagcaagcat tgagccaaat ttccatgact tgtacttgaa attcctggat 480
aaagctaatt caaaggcttt gaacaaagag attgtccagg caacttatga aaattgcaag 540
gttctcctat gatcagagct catataatca agttc 575

<210> 12113
<211> 533
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220138a11a1

<400> 12113

cgtgtccaaa gctttacctc aataagttat tttagaggtca agcagatgat aaacaaaaga 60
tctaggcatg cctcatcttc aaaagttaca aatttaaagtg aagtgttat atctcttatt 120
agtactattg tatgtcgaat tggcttgggg agaaggtatg aagaggaggg atctgaaggt 180
agcagattcc ataagttgct caatgagtgt gaagctatgt tgggtaactt ctttgtttca 240
gattatattc ctttcatggg ttggatcgat aaactcaggg gactggatgc acgtatcgaa 300
cgcaatttca aggagatgga taagttctac caagaagcca ttgatgaaca catgaattct 360
acgagaaaaga ctccagaaga agaggattca gtcgatgtct tacttgaact gaaagagaac 420
aacacgtgtt ccatagatct caccaatgat tacatcatag cagtgtcttt gaacttactc 480
tgaggagcta caggttcaac tgaagtcaca acaatctggg ccatgactga act 533

<210> 12114
<211> 590
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220138a12a1

<400> 12114

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atttctttgt aactattggc tgtttggcaa acctttcaat tgcaattttt gcaatggatt 120
ccttgctca gttatcaatg aaatttctgg agcgggaaga gctggccaat tataattttc 180

aaaatgaatt tatgaagcct tttgttattg ttatgcgaaa gagtaatgct gttgaaatta 240
 gagaactaat tatcagatgt gtctctcaaa tgggttctgtc tcgtgtcaac aatgtcaaat 300
 caggatggaa gagtatgttc atgacctgat ttcaggtatt cacaacagca gcttatgatg 360
 accacaaaaa cgttgtactc ttggcttttg aaattatgga gaagattatt cgagattact 420
 ttccatacat cactgagact gaaaccacaa ccttcacaga ctgtgtgaat tgcctaattg 480
 cattcaccaa tagtagattc aataaagaga ttagcctaaa tgccattgct tttcttcggc 540
 tctgtgctac agaactagct gcaagagacc ttggctcatc atcaagaaat 590

<210> 12115
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138b01a1
 <400> 12115

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 tcttcccttg ttgccttttg agggtacagg gcctccaacg cgccacatgc tgacgtgtca 120
 tcgccagcat cgaacgatga acaacctaat cccacatcgg tgccttctcc gaaatggtag 180
 ccggtttcac ggggtgtttc ttctgggggtg tcggagaagt catcaagcat gttgtttgcg 240
 gttaaagatg gagcttcgga agcatttcct tgggacaata gcatgctgtc gtggcagaga 300
 actgcttttc atttccaacc agagaaaaac tggatgaacg atcctaacgg tcctatgtac 360
 tacaagggat ggtatcactt cttctaccaa tacaaccga acggtgcagt ttgggggtgac 420
 atagtttggg gacacgcaat gtcaaggagc atgatccact ggcttcacct tccactagca 480
 atggtggctg atcaatggta tgacatg 507

<210> 12116
 <211> 608
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138b01d1
 <400> 12116

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cncntnnngg gtagncgcgc tactcgtegg cggccgccct tttttttttt tttttgnggg 120
aatgggttttt gatctagaac ccataacttt atgtgtgggt atgggaaggt aaacaattga 180
tgagtacaaa ttgccacccc aagatgtttt ccgatacctt gggactacaa gtcttttata 240
tccaatttaa ttatttattt taattcttct gatcaggggt gaatgggcgt ataaatgcag 300
aattcatttg ccaaacattg agtgagggtg tcacagtggc ctcagtagca ttgttgaaca 360
agaacaacct agcagctcca tagattgcct ttgttgata aaccgagat gtcacaaccg 420
tccttccacc ttgagcaaag ctttcaacaa tagaatggc caccagtatc cgcaaggaaa 480
acttttcatc tttaagtact ggaacagcgc tgccaacgat ttgcttgca acatcatttg 540
cctgagaaga ccttgattga tcagcgcaaa aggaagtctt aagatttcca ttgctccctt 600
aatgacat 608

<210> 12117
<211> 461
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138b02a1
<400> 12117

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atcctcaact cttcctctct tttcttccaa acccgaatct ggattctcct ctctcccgat 120
ttcaattctc acggtcttca ccgatacgca gatctctaag caccgctctt gttttcatcg 180
attaaataac aaacaaaaat tggtctcaatt ttattttaac atcctaacca aaaacaaact 240
tttccaccga ttttaacatt cgagagtaaa tttagtttac ttgttgattt ttttttttgt 300
ttgttttgat taagtttctg tttctattta aatcgataaa cggcgagggt gagcgtaga 360
attcgattt cggagaaaaa aagttacagg tattattagg ggaatcgctt ggaagcgttg 420
aggagagtgt ttgatctgag gaaggaaaaa aatgggtggga g 461

<210> 12118
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations

[illegible]

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ccctcncccg	tnggtgtntc	ctcctcccc	ttttcggggc	ctgtggccnn	ntcgggcccc	180
ttgtttgggt	cngacctggt	gggttggtct	tgngattctt	tccctcctt	ggaagcttta	240
tccttctttt	tcttcttctg	ggaagttttg	gattctgcag	ggacattttc	tttcttttct	300
ccatctccat	cagtctcaac	acctgtctta	tcctgagcac	cttgagactc	atctggacca	360
tctttacttg	gtttgggcgc	cacccccaaa	tcagctagaa	gagcctcaag	c	411

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220138b03a1
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<400>	12119	
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gatctgggag	ttggtggagg	aacgcaagag ggagtgctca gggacatcct catcagagaa 180
ggatttgatg	cagttgctgt	tggaagcagc aatgactgat cagagtctgg ggaaggactt 240
ctccaagcgt	ttcattgtgg	ataactgcaa aaacatttac tttgctggcc atgaaaccac 300
agctgttgca	gcctcttggt	gtctgatgct tcttgctttg caccctgaat ggcagacccg 360
tataaggact	gaggtggctg	aactttgccc caatggtgta ccagatgcag attctgtccc 420
tctgttgaaa	acggtggcta	tggtgattaa agaagtgcta cgtttatacc caccagcagc 480
ctttgtttca	agggaggcat	atgaagata 509

5544

<400> 12120
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atatgcaaaa atcttttgtgt cataagaaaa actaaatgct tgcacgttaa tgaaaataaa 120
agttgaatta tttgtgtcat tagctatgag ccgatcaaat ctcttgaatg agaatatgta 180
caccatgtcc cggttctaca atcattctat atgccggaga atgcctataa ctaggagaca 240
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tgcaagcctt ggagacaccc tcgctaaacc tttctggttt aaactcattt gcctctggtc 420
cccaaatttc aggatctcta tgcagtgttg ggatcagagt ccataaaca acgccttttag 480
gaacattgag gtttccaatt tggatatctt catatgcc 518

<210> 12121
<211> 377
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220138b04a1

<400> 12121
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gatcactactg ctgctgtaca tgtggaccga tacttactta tctttggtgg gggttcgcac 180
gcaacatgct acaatgattt acatgttctt gatttgcaaa ctatggaatg gtctcgcccc 240
acgcagctag gagaaatacc atcaccacgt gctggacatg ctggtgtgac agtaggggag 300
aactggttca ttgttgggtg tggcgacaat aagagtgggg tctctgagac ggctgtactg 360
aatatgtcta cactgac 377

<210> 12122
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220138b04d1

<400> 12124

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 tttaatcaaa acttttatta ttcgcactag tgtttgtata catacactaa agacaccttt 180
 tctttcctat ttttttatat atcttctggc aaaatgttct accatgcccc aagtacaaaa 240
 ttttatagat ctgagcaatc ctactagacc atgatctcaa ccctggattt tacaaaaaaa 300
 aaaaaaaaaa gaataaacia atgaagatat catagctaaa agaaatcaca agaaacaaat 360
 aggtaagtgt tgtegttaacc ctgaaagcat gtttaattcca atcttgactg cttcttttaa 420
 gacactactg tacaatgaaa atcctgcacc atcaaacatg cataaaatgt ggctgtttca 480
 ggaagctcca gcaggtctta actgatatgc ctgatgactc ctttttgctt gaagggccat 540
 agacatagat cttaacctgc tagttatctc tgtgaaggat ggccggcttt cagggtcagg 600
 tgaccaacac tcttcataa gctt 624

<210> 12125

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220138b06a1

<400> 12125

cgagaacaaa aaaaaaacg tgatcttctc ttctcttoga ataaaccaca aaaccaacag 60
 gcgagaagag gagtgagaga agatgggggt gtcgttcacg aagctgttca gcatgttgct 120
 tgcaagaat gaaatgagga ttctgatggg aggtctcgat gctgctggta agacatccat 180
 cttgtacaag ctcatgcttg gagaaatcgt caccaccatc cccaccatcg gatttaatgt 240
 tgagactgtg gagtacaaga acatcagctt cactgtgtgg gatgctgggt gtcaggacaa 300
 gatccgtcct ctgtggaggc attatttgca gaacactcat ggtctcattt ttgtgggtga 360
 tcgctatgat tgggatcgag tgggtgaggc aagggatgag ttgcacatga tgctggatga 420
 tgatgaactt atagatgctg ttttgcttga ctttgccaac tagctagatc ttctaatgc 480
 agtgaatgct gcactagtta ctgtcaagct tggac 515

<210> 12126
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220138b06d1

<400> 12126

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cccgggggaa ccctccgggg ttcccttttc ttntttgggc cctggggggg ggttctgggg 120
ctgggccccg gtctttnttt ttccgggggg ncnttntctt ggggggtttt gtgtcccccg 180
ggggggccct gcttctcttt cttcttgccg cggggcgggg ggggggggct ttttccctgg 240
cccgggcccg tttgcccccc gggggggggt ggggggtgcg ttttctgccc gggccgggtg 300
tggnngtggt gtttttctgg cgtccccgcg tggggctccc cccctggggn gcgccggggc 360
cccgggtttc tgggtggggc cccccgtct tgcctgggt gtnggnnncc ttggggttcc 420
ccggggcccc cccccgtcg gtggggggcc ccttgtgggc tgctttgggt ggggctttg 479

<210> 12127
<211> 485
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220138b07a1

<400> 12127

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gacgatcggg aaagagagtg tctttaattt cacagtttca tagcaattat cgccgaaaaa 120
tgcaaaattt ccactcatat ctctttgttt atgacatcta aaacatctat ctactctcta 180
cccactttct cagttccagg tcagcaagag aaacagtact tatccatatt acagggttat 240
gtgaactgaa gagggagggg actggtttgt ggaggcagtg acacttttgc aagcttagaa 300
tcctctatcc tagttctttg tgaaaacaaa tagtgtgatg ctttcggagg ctacttttct 360
caaagcttgc gtgtagcact atctgcatat tggtgataag ttgaagtgtg ggaaaaaatc 420
taaagctaaa gagagtttgg gaagctggaa caatgggttc tggctgatgc tgtagagtt 480
ttgat 485

<210> 12128
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138b08a1

<400> 12128

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gcattccacc aatcccaagg cacaacagca acaatgtcag caaccttaac atgtaaacta 120
ggagacaaca acctaagctt aaacgataaa aacgaccaac ccccttcacc tcctcagccc 180
ctacaaaaat gccctgcaa tatggtttcg atgggtgtct cagagctaag aattcaacga 240
ggaatagccc ttccaatggg ggccatgaat ttggcttggt ttgccaagac agccatcaca 300
acagcatttt taggccgtct tggggagctt agtttatcag gtggagctct cggcttcact 360
tttgctaattg tcaactggctt ctctgtctc aatgggtctat gtggtgccat ggaacctata 420
tgtggacagg ctcatggtgc caaaaacttc aggtccttc acaagacct tctcatggca 480
atctcgttgg tgctattggg atcac 505

<210> 12129
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138b08d1

<400> 12129

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cagtcaggat ttttatttta tactacaaga aagtaaaaga tcttttccgt ctctctaggg 120
taaagatcag tatttcacat atttttatat atgtacatat acatgaactc actcatcaaa 180
ctaagcacat gaaaaaaac ctatatactc tattttaata ttgtcgaatg aaattaaaga 240
cagaattagt cctcgtcgtc tcaacttggtc cgaggaaatc agagactacc accctttcgc 300
ttcttctata caaggtcaat gtcactcaaa gatgggcacc gtctcttggt agctagacaa 360
ataactcaag aagtgactaa ctttgctgta aggacttttc accagtgcc aataatcagg 420
agttttcatg aaaattgagg gatctagata aagctgcagg gttagccatc cacattggag 480

<210> 12130
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138b09a1

<400> 12130

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 gtggggccat ggaggagtgt ctttcacagc tccaatctca tgtccagaag gctcttgctg 180
 gtggaggacc cgaggcagtg aagaggaaca cgagtaggaa caagtttctg ccccgtagaa 240
 gaatcgatcg cctccttgat cccggttctt ccttcctcga gctttcacag cttgcaggac 300
 attacttgta tgaagaacct ttgccttctg gaggggttgt tactgggata ggtcctgtgc 360
 atgggagact gtgtatgttt gtggcgaatg atcccactgt taaggagggt acttattatc 420
 ccattactgt taagaagcac ctcaaggcac aggagattgc tgctcagtgc aaattgcctt 480
 gcatatatct tgtcgacagt ggaggagctt ttcttcccag caagccgaaa tgtttcggac 540
 agagaga 547

<210> 12131
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138b09d1

<400> 12131

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 atagatgacc cataagtttg acttgacata taccttattg gtgaacataa aaataaacg 120
 accctttgaa tattgggact aacttactag cctataaatt cataaaaaata accaattttg 180
 ctgagatcga caaggaactt tttcttttca catacggggc tgaaaaaat taccacttct 240
 ctttgctga agaggggggt tttttcaggt ggtcaaataa acttccatcg caaacacctc 300
 ggatgggttc tttctgcagt aatccactct tatcttttagc aagtttgtaa agaattttcc 360
 attcaaccac actaccaatc cttcctgaga aatcttttagg ctctctatct gcctttatca 420

tccccggtaa ctcacatca

437

<210> 12132
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220138b10a1
 <400> 12132

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 attaatactc ttccttctct ttacctttta cttttcgaag caaaaacacc ataacaaaac 120
 acccagaatt tgtgggttcc attcccaaaa catagaacaa gaaggagaga gagagagaga 180
 gaatgcaacg ggagaaacaa aaaacagaag tattttctgtg attgattctc tgcaaccgaa 240
 tcatcatcag ccacttcttc tcccagtttc agctctacce tctctcttct tttcctcggc 300
 tctggttcgg caaggcgtag ggggttggtta ttattcttca taatggttgc aacagctgct 360
 acggcgtcgt ttctccctgt gccttcgccg gacgctggaa aagggaacc caatggtggc 420
 ggtggcggcg gcgtttctgt gaacctcgga ggactcaaag agaagcaagg tttgtgcggt 480
 tgcttgacag tcaaggcaaa cgcacaagcc ccttcgagac catggagaag gttgagaat 539

<210> 12133
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220138b11a1
 <400> 12133

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 tgatggagaa tggaagaaac ctgcttctgg gaaaagtgtt gccatcatca accccactac 120
 cagaaagact caatacaaag ttcaagcttg ttcacaagag gaggttaaca ctggtcatgg 180
 acttggtcaa atctgccccaa aagtgatggg caaagacccc actatggaaa cgttctgaac 240
 ttcttcacaa ggcagctgct atccttaaag agcacaagc accaattgca gagtgcctgg 300
 tgaaagaaat agcagagcca gccaaagatg ctgttacaga ggctgtaaga tctggggatc 360
 tggtttctta tactgctgaa gaaggcgtaa ggattctggg agagggaaag ctcttggtgt 420

tgctgaacct tcatggtgta actaaagagc ctaatttaga ggaatggact tgcacagctg 120
 aatctagtga tttgcttcat gaaccagttc gtatagcctt agaggggaaa tatacgtgcc 180
 tttcagattc ctacctctcc gttctaaagg ccttactgca tgcttatgtt gattgccaaa 240
 agaaacttgt tgtggactgg attccagcta gcaaccttga aagtgcaact gcgaaagaga 300
 atcctgatgc ttctaaggca gcatggaagt tattaaaggg tgcagatggc gttcttggtc 360
 ctggagggtt tggagataga ggagtgcaag gaaaaattat tgcagacaaa tatgcccgcg 420
 aaaacaggat tccattcctt ggcgtttgtc ttggaatgca gattgctgac atagagtttg 480
 cacgatct 488

<210> 12138
 <211> 79
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138c02d1

<400> 12138
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 cncatnnnngg ggtagangc 79

<210> 12139
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138c03a1

<400> 12139
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 cacttttcaa aaccagcac caaatgcaac tgtttaccct ctgaagataa gagaaggaga 120
 gaagcctgtg atggaggaac caatcacttt tgctgaaatg tacaggagga agatgagcaa 180
 ggacattgag attgcaagga tgaagaagct ggctaaggaa aagcatttgc aggaccttga 240
 gaatgaaaag catttgcaag aacttgatca gaaggcaaaa cttgaggcca agcctttgaa 300
 ggagattctt gcttaattaa taataattac atatgtatca tttgcatgcc cccttggtgt 360

tttttagtatt ttttaagggc catgaattaa taatagtcct tacctttgtg cttttgtacg 420
tcttatgatt tatectttgt ggggatataca tgtgttgtgt tcagttgcct atgtcttatt 480
agctagctgg ctcatctatg tataccttat atttgcctct attataaatg aaaataagtg 540
gcactgtctt tattt 555

<210> 12140
<211> 445
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138c03d1
<400> 12140

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aggagcccct ttgttaataa aaaattggca actgaacaca aaacatgatt tcccccaag 120
gggtaaattt taagacgtcc aaaagcccaa gggggggggc tttttttaat ttagggccct 180
taaaaaaac taaaaacacc gggggggggg gcgaaagaac catatgggat tttttttaat 240
taagcaaaaa tttcctttaa aggggtgggcc caaaggtttg ctttttgaaa aaatttttgg 300
aaaggctttt aatttttaag ggcccggaaa tgctttttct taaccagggt ttttatcctt 360
ggaatttaaa ggccctggtt aaatttcccc cgggacaata aaagaaaagg gattgggttc 420
ttcaaaaagg gttttttttt ttttt 445

<210> 12141
<211> 455
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138c04a1
<400> 12141

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cggcttcccta cataaagctc actcctctcc cctctctccc acttcattct ccaacactgt 120
cacatgggtt tttctccaca aacctgttct gtccctaag cccaccctt ttctgttcta 180
gcaaataacc gttcttatca atggctcaca actcagacag tgccacctcc aaccttcttc 240
ttctctgttc cgagaacagc agcacctgct tcgatgatga tggtttggaa tgtgatgccg 300

cagatgggtc taactccaga atctcgcacc atgaggggtg tggtggatcg gagttgctgc 360
 tggcgtgttc tgtggcgag agtgaggaag ctgtgaaggc tatggcggag agagaaaaag 420
 agcatttgcc gaaggatgat tacttgatga agctg 455

<210> 12142
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138c04d1
 <400> 12142

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 cnttnnnggt aangcgcnc cgcncggcgg ccgcccttnn ntnnnnnnn nttnnnnnngg 120
 acctttgncc ttatnttata agtatcatta atatgggant attggttggt catattccac 180
 atgaactttt taaacgtgat cagcacaaac tttttcaaag ctctattta cacatttatg 240
 caactaaaga actaaaatgc ttggaactgc catttgacat cgtgcagcta tttgcatcct 300
 ccaaagcctg gccatgtgct ccaaagaaa aatatcgatt catcagtttc ttattgaaag 360
 agccctgctt atagctcaat tgtagtgtgc catcaccatc cattggtcga ttggagcaag 420
 aggggtcccat tatatcaaca cgtttttgct tattattcga agaagagaag agatagatag 480
 ttcttgaaaa gatta 495

<210> 12143
 <211> 629
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138c05a1
 <400> 12143

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 tagcctggaa atcgggtcga gtgacattgc atacacgtct tcaaaaacat atgcgatggc 120
 ggtgcctacc ctgaagaccg gacgctctgt atcggaactt gttcgcacgc acgctatgcg 180
 cataaacgga tctggcatag ctgcagccac tcaactctgc gggctgcacg tgcacacgct 240

tccagaactg gaggacgact atggcgctct ggagccagcc ttcaccggcg aaaccatgca 300
gctgctgcac gagaagcacc accagactga cagtcaccaa cttcagcagg gccctcgagc 360
agatacaaga cgcacgctcc aggaaagatt cctgcgctcat caatgagctc cagggcgcca 420
tcgagttcag cggcagaggt gacgtgagcc attgtattat ccggaaaagt ctagctcctg 480
ttcgagaagg aggtggagaa ccacccatag ggtcactggg atggggcatt gacacacatc 540
acggctcttt tgaagcatta gcacanaaag ttaacgcaga aggtgctgga ctacaggggt 600
ctggatgggt gttgcttgca ctggacaag 629

<210> 12144
<211> 592
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138c05d1
<400> 12144

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ngtnngnggt angccctnnc cngncggngg ncgncctttt tttttttttt ttttgcctcc 120
gatttgcnrc ttttcnnngc tcgnggntct tcggggcgnc ggcgtgnntt tgtnngtggt 180
ttttctcccc tccccctnnc tctttttntt cccccctctc tccccgggctg cnnntctgtc 240
ntctcnggag ctntntccng tngccctttc ngcctnngag ctctctttct catccccctc 300
nctggcgtgt ttcnntttt tncctttccc cgtgttcttc ngatngtctg gtcttccatt 360
cttgtgctgt nngtngtncg cttgtctccn nntctctnnc ccnngcnttg gggcccaatt 420
tggtccctta gtaaccagcg ggtcctgggt ggcagtggtt tcaactacaa gcctcttcaa 480
ctctttgtcc agaccaagcc acacccatcc agaccctgt agtgagcac cttctgcatt 540
aactttttgg actaatgctt caaaagagcc aaaatgtgtg tcaatggccc at 592

<210> 12145
<211> 504
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138c06a1
<400> 12145

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 gagttgtttc ggatgagcaa catgaagggg aaatagatta tgttggggtg ctaaactgag 180
 tccttccaaa tgacattcgg attatgggct ggtgtcctgc tctgttgat ttccatgcaa 240
 ggttcagctg ttttaagcagg gagtataaat atttcttttg gaaagaaaac ttgaacatcc 300
 cggccataga agttgctgga acaaaacttg taggagaaca tgactttaga aacttctgta 360
 caatggatgc agcaaagtgc cacaactata ggcgggtgcat cacattgttt gagatttctt 420
 ctacagatgt gacgcacaat gatgatcaac tttgggtgat taaaataaga agtaacgctt 480
 ttctatggca tcaggttcgc tgca 504

<210> 12146
 <211> 96
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138c06d1

 <400> 12146

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 naagaannnc nccctnnna atncccgca agaccc 96

<210> 12147
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220138c07a1

 <400> 12147

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 ggatccgact ttgtaatga gagctgcatt gttgctgtcg caagacacag ggggattgac 180
 gttgtgctca acgatgagtc acagcgtgaa acacctgcaa ttgtatgctt tggtgacaaa 240
 cagcggctcc ttgggacagc cggggctgct tctactatga tgaacccaaa gaattccatc 300

tcacagataa cgagggtacc tggcctacaa tctgcggatc cggaattgca gcaagatatc 360
aagacgttcc cctttgtgga cactgtagga cctgatggac aatccttaat tcatgcacgg 420
cacttgggtg aatctaggac a 441

<210> 12148
<211> 448
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138c07d1
<400> 12148

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aatacaacca gcattacagc atgcttaaatt ttcattccaa acaagaaaag agcagagagg 120
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aaaaaaacag tagactagct cttctatttg tcaaaagcat aacgggcttg gaaactgcac 240
acccttaact agtgcaatca tgcaaaaaat gcatgatgcc tcatcatgat tgagagcact 300
cacggattaa ctggaactgg acctggaact ccaccaccac tcccagggtt tggaacctca 360
aaaccagggt ttgggacaaa cgtgtcatca ccacctggaa cgtaaccacg accagctggg 420
cctgacccta gtcccctacc accagtgt 448

<210> 12149
<211> 492
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138c08a1
<400> 12149

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cccagttcgc gttctcgtca ctggagctgc agggcaaadc gggatgcat cttgtcccta 120
tgactgctag gggagcgacg ttgggtcctg accagcccgt gatcctccac atgcttgaca 180
ttactccggc agcagagtca ttgaatgggg ttaaaatgga attgggtggat gctgcattcc 240
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tggccgtgat ggttggtggc ttaccaagaa aagaaggat ggaaaggaag gaagtgatga 360

ctaagaacgg ttccatttac aagtaccaag ctattgccct tgaaaagcat gctgctgcc 420
 actgcaagga tctggctgct gctaaccag cagacaccaa tgcattgatc ttgaaagaat 480
 ttgtccatc ta 492

<210> 12150
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138c08d1
 <400> 12150

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 aaggcttgat ttgagagctt aatctttatc caagggatta ggccgcttaa aaggcctagc 180
 ccctttgttg cttcccagga gggccctccc ttgggcccga acggttccaa agatttcgga 240
 tcctctcttt tccagctttt tttttttagg tggtttgat tcaaaa 286

<210> 12151
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138c09a1
 <400> 12151

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 tagaaactta aagaaaagtg gaagcactcc tttaaaattt caccgcaagg aacgacttaa 180
 tgtggtttct atagctgctg gaatggtaca cagcatggct cttacagatg atggtgcatt 240
 attttattgg gtctattctg atcctgatct tagatgccaa cagttgtatg ctatgtgtgg 300
 aaggaatatg acgatttgaa gaaatattgt gaggagattg tcatgctcaa ccttgattct 360
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 gagaggttgt tcgaccagag atcatctgaa ccatggagtc accgtcggct ccctactgca 480
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atgactcgtg ac

552

<210> 12152
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138c09d1

<400> 12152

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cactacactg atttgaatag tgtaatttcc gtgtccatgt acatttctat aatatattta 120
gaagaaaaca aaaattggaa gaaggataaa acataatatt aataagaagc aaggagctgg 180
gggaacttca tgagactaag attccctcac atctttgttc tcattattat ggggttgcca 240
cattttcctt tgctgtgga gcaatttctt ctccatcact tccaggttca ctgccaggaa 300
ctcccaggct tagcagcact tcttccact tcttagcagg ccccttccag gaaagatctt 360
gagccatgca gttctttatt atttctgtaa aagctggagt tccatagact gcaagggccc 420
ttttgacagt ctttgctata gcatccacat cagctggatc cacagcatca cattcaacac 480
tgaaggcacc catctgaaat 500

<210> 12153
<211> 486
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138c10a1

<400> 12153

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gcaattacaa catcagcgat ccaaccttag tattcttcaa cccagagaga ttgtaatac 120
taaattacaa caactgaaac gatggcagga ggagcttatg tagattcagg aaatgcaaag 180
caatttgatg ggaagggtcac ggcatctgta ttggttacat gctttgtggc agccatggga 240
ggcttactct tcggttatga tcttgaata accggaggag tgacttctat ggaaccattt 300
ctgatcaaat tctttcccg gggtttataaa caaatgcaag atgatgttgg ccatataagc 360
caatattgca aatttgacaa cgagctcctt acactgggta cctcttactt gtatgttgct 420

gcattagtag cttctttctt tgctctcacc actacaagga tgatgggacg caaggcctcc 480
atgttc 486

<210> 12154
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220138c11a1

<400> 12154

gtgcagtgat gagcagtgcc aaaacaccta gataatggca accatgctca cactctacat 60
tgacaaagat ctaggctaag gcttggatta caaacacgag ggcttgcttc gccaaagagt 120
catgcagatc aggcttcagc actggaacca cgctgcaaca ttcactgggt atcatcaatc 180
atctgtggag cctactcatg accaaataga ctatgagcac actggatcac tcgcgagaca 240
gagaccttac gctatgaaca cgaacgtagt tcagtcaatg caaaggcaac agataacagc 300
agatgcatct atggataaac ccgaccaagg acttgcgcac atactgcgtt caatggaata 360
cagcaagcat gatattctct gctgacgggt cccaataag ggagatcaag aatctgggaa 420
cataatgggt accaatgcca aagagccaat ccatgag 457

<210> 12155
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220138c12a1

<400> 12155

cagtattggt ctgcttaact ataacatcca gctatacact gattactcag atttatttaa 60
tctcactatc actctcactg caaaaacaac acacagcaac aatttaataa ataaataaat 120
aaaagtggaa aagaagaaaa gccagattt ataatcacia tctagagaga gaaacaagca 180
gactatgaaa ctttctatct ccgaatttct ctctctaaaa ccaccgtctc gttctcagag 240
caactgcact ttctctccga ctctcgctcg gaggagcact tggatgtgag tggtttccac 300
atcggttaga tcggccatgg cggaggttcn cggcgaaggg ggagcagagg cgacagtggc 360
cacgccggtg ctgccgttgg cgggtgtctgg atcgtctcaag gaagggaaga gctcgtcgcg 420

gaggcgcgcg cattcgatga gggcgagcct cgacgcggac gagttcatga acctgttgca 480
cggttcggat cgggtgaagg tggagctcaa tcggttggag atgaaatgag agatatgaca 540
gagaattatc agaagcgc 558

<210> 12156
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138d01a1

<400> 12156
gttgntgagg tgtttcattt gttaaaactaa caacaacaca aggccatcat catggcagct 60
gcttcccaa tggcaagcca actcaagtcc accttacta ggactcttgt agtcccaag 120
ggcctctctg cctcttcacc acttcacctc gtgccttcta gaaggcaatt tagcttcact 180
gttaaggcca tccaatcaga gaagccaacc tatcaagtga ttcagccaat caacggtgac 240
ccattcattg gaagcctgga aaccccagtt acatccagcc ctttgatcgc atgggtacttg 300
tccaacctgc ccgcatacag aaccgcagtg agcccactac taagagggat cgagggtgggc 360
ctggcccacg gataccttct ggtgggcca ttcgtgaagg ccgggcctct taggaacacc 420
gagatcgccc ggcaagcggg ctctctggcc gcccggtgggc ttgtggtgat cctcagcctt 480
tgctcacaa tctatgggat tt 502

<210> 12157
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138d01d1

<400> 12157

aaaaaagggg gagagtggga gagaggaatg aacattatcc catggcggga ggcacacaaa 60
acatcattta caccatctt tatgggacaa atagtccatt catggggaag gaataagaaa 120
aagtaaagaa agctaggaag cacatccatc attggatgga gtatggaagg gccaaagcgt 180
agagggggaa gggggcccaa ataacacccg aaatgcccc gaaaaaaaag cccccgggga 240

actgggcccc cccatcaaca gtttggagct gatcgggctc ctttttgcg cccgtcaagg 300
gcagcgacgg agcaggggag ggggctcctt cggtgagga ggaaaccca taaattggga 360
ggcaaaggct gaggatcacc acaagcccac cggcgccaa agagcccgt tgcccggcg 419

<210> 12158
<211> 537
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138d02a1

<400> 12158

ttcatatatt gcattgcctc attgctacct ctctctcaac ttagtattta tttcaaaaat 60
ccatttgcaa tccatttcaa aaatcacatt ctgcagtcct atttccgtga tccagtgcatt 120
ggattgcagc aaaccaagcg tctcaccttc gttgacttgc tgcactgaat ttatcatcac 180
aaggtaggag gaaaagggtga taaaattaac aacatggatt taagaattaa tactatatatt 240
tcgtacctct tttgcatttt taattttttt tcttcttaaa aatactatct cttttcatta 300
actctttttt gaaacatatt ttgatattta taaatatttt taaatttagt ttctgaatta 360
tattaaaaat atcctggaaa ttatcaacgt ttatttcttc ttttcttttc tctttttcat 420
tattacaaca attactagtt actagtgtgt gcagaanaag gtagattgat gtattatgtg 480
ttaaaacttt taggaatata tttgaatggt ttatgtattc tgaaaaattg gttttta 537

<210> 12159
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138d02d1

<400> 12159

agccnttcgg cnntccnncn aggggnnnnn nagtggnnnn cccggcatat gaaccattan 60
nagtatnnnc catnnnnggg tagnnccgnc tcccagncgg cggccgccct tttttttttt 120
tttttttttt tttttttttt tttttttttt tttttttttt ttttttgggg ttttgggttt 180
tttttttttc tttttttctc ctctctccct tttttctttt tttttctctt ttttttccc 240

[illegible]

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220138d05a1
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gatatatctg atgcttatta ttcggatang cttcccattt atgacgttgc aggcaccctt	60
ccgtaagccc ggattccggt tcagggccct tcgtagccgt ccacagactc ctactacatg	120
cactcgacag ccaacccac agggaccctt tttgctacaa cgatgggttc tccatccaca	180
tgcaatccca tatctacagt ctgcacatag gctgtaggcg acaattcata catttacaac	240
ccactcaaat tcaactccgg ctatcgcgcg aggtccactc ccaccagcag ggccttcgtg	300
atactcctcg accagcagca ccgccaagac gaacatcgcg aactccaacg tttggcccta	360
tgcgttcaaa ctggccgatg tctgtggaga ttccgccagc ggcaagatcg taaggtcgcc	420
ctcgagatca acggcgggctg gcacctaaac cattgcaact gctggactag tctaagggtc	480
gttgaagaag ga	492

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220138d05d1
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tttntttttt ttttttagt ttaagatttg cagccataca atgctcgagg gggggtcaggg 60

gaactacata aaagggttag cggcattgac cacatcagat cacatcattg gagtccacat 120
 ctctcacggt gctgcaaggg tgtcatgtca agagctatat caaggagcac atgcagacta 180
 agagctctct ttctcatata ctacactggc atagggccaa ttaacaacat ttccaaagggt 240
 tcgtcagata gtctgggtcta acattcttgg actgggggag gacgcatgct cccaaacatg 300
 caataccaag caatggaacc aaagtcggtc cctgaggaac cagcggggcc tggaaggcgg 360
 gggatagaac tacaagcctg ttcagcgggt tggacaaacg aagccacacc gatccagacc 420
 cct 423

<210> 12166
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138d06a1
 <400> 12166

gagcgagcga gcgagcagta tcaaattgtg atctgggatt gggaaggcga gggattgcgc 60
 tgcgctctctt cctcttctct ttcgattcat ccctcattca taatcttcca atccaacaac 120
 ctcagcctca cactcacaca tacacacata tgaacgcgta tcgtccctcc catgacttca 180
 aagcgcattcc tcaaggagct caaggactcg cagaaagacc caccaacttc ttgctgcgct 240
 gttccagtcg ctgaggacat gtcccattgg caagcaacga ttatgggtcc tgctgatagt 300
 ccttatgctg gaggtgtatt cctagtcact attcactttc ctccggatta tcctttcgaa 360
 cctgccatgg ttgacttttag gaccaaggcg tttcatccga acatcaacag caatggtagc 420
 attagtcttg ctatccttaa agagcattgg agccctgcac tcaccatcta tgacgcactg 480
 ctttctatag gctcattgct gactgatcca aatcctgat 519

<210> 12167
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138d06d1
 <400> 12167

tttntttttt tttttttttt ttatagtttt aattttgatc aatcttcaca tggcatctga 60
tcaaaatttg ttattgtata ttaaaaattc cgattaatgt aacagtgaag attgagtcga 120
ccatgatgac cgtggaatct agattatata ataatttctt ccggagagggc tttaatgagg 180
ctctcatgca gccatggctt cctcgtcatc gatctcgttc tcgccttctt cgctggcggc 240
ggcgtcttga tactgttgat actctgccac caagtcattc atgttgctct cagcctcggt 300
aaactccatc tcatccattc cctcggcagt gtaccaatgc aagaaggctt ttctcttgaa 360
catgacagtg aactgctcgg agacgcggcg aaacatctcc tgaatggagg tggagttccc 420
catgaagggtg gaggacatgg agaggcccggt gggagggatg tcacagacgc tggacttgac 480
gttgtttgggg atccactcca cgaagtagga ggagtcttctg ttctgcacgt tgatcatct 539

<210> 12168
<211> 522
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138d07a1
<400> 12168

gtcattttga tcttttagcta ttgtgttggc ccattcattt atactttaaa ttttaatttt 60
aatggccatc gtgtctcatt ctatttgctc aaacctttgg gcattttcag tcttatttta 120
ttattcaata ttaggatgaa atttatgtac gaaatcatca gacttaatct tcccagctaa 180
atattattcc aagtctttac tatttcttgg agcatgaaca atttcagttc ttgatgagac 240
actaccctgg cctgaatcag ttctcttttc tgccttgggt tttggcacta tattaattca 300
aatttccttt aatcattaaa atccctgact aagtcctaac catactttat aaacactatt 360
gatagtatga tatttacctt ccgagtaatt ggggctaaca agttatagaa aatgtgaatg 420
acagtatcac ttaaagcacc tctgtgagat gagatacacc agaatgacag tcttggtcct 480
tctctttctg cttataactt atgtcttata gtatcctgat ct 522

<210> 12169
<211> 494
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220138d07d1

<400> 12169

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gccttacaac ttttaacata tatatttcag aattcagaac tgagataata atggaattat 60
gaatattctt ggtacaagcg aagaagtctt tagtgcgatt ttcaaaccga aattctataa 120
taccatagta agaactaaga agcaacatgc aagttcagag gtaggaaaag taaagaatga 180
ctgctttctt ctcaaataag agtagcgaaa tccaaacaca aataagttca tgtaaagaga 240
atttcattgg tacatgaact ttataatatt aaacggggta agaactcatt gtgaccttga 300
atgaaataaa gaaatgacc ttatgcatat ttttgcaaata aagaagctat cgtcctatca 360
ctttccaatg ctttttgtct gtcagaagg tagtacaat gcctatactt cagggtttca 420
tcaccagctc cctgatataa tcaagaactt cctcgagatt cactgtccaa gcaactgcaa 480
caggagaata accc 494
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<210> 12170

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138d08a1

<400> 12170

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gctcaaccac gatgacgcaa caagattcaa ccatgtcact aatctcactt acaactacgg 60
ttactcttgt catgcctcac actgtacaat cgtactgcgg aatcaaccac catcatcaat 120
gtgtggcccg aactcaggaa ccttacatgg tcccaccat accaaaccac cctgctctgc 180
tacacattca ccatgaccat caccaacaac caccacagca agcatctctc catcgccata 240
cggctctacc agaaccacat caaagttaga gcaccaccac gcacttgtcc cacatgcagt 300
caacatctcc aacatacacc taccaccact gcagactctc aaggtcacag tgggtggacac 360
tgctgaagaa ctctgtacacg ccgaggacga cactacact ctgtgcatac tgctgtctc 420
ataggctagc ctactgaaa a 441
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<210> 12171

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220138d08d1

<400> 12171

atagaagagt gttccagnga attccacatt ataagcaa at gaaatagcca gaatatcggg 60
 caaatccaaa taatgctgca ttgtcacata gtctacataa cctgggaaac taacagcaat 120
 caaatatggt cgccatttgg aattggaatt tgaatacaaa tacagtgc at caataatata 180
 accctatgta cacagccaat atctgactga aatttgatac agaatagtat caatttgtat 240
 cataataaaa tggcacagag aaatttatgt gaaggtaaag gggaagtgtg tcagctgggtg 300
 ttataattct tgggttttca ttacttcat cattggctcc ttctgcacg ttcacatttc 360
 ctttatctgc ttaagcactg ctgacctgtg tttacgccc aaaggcca tgg 413

<210> 12172

<211> 555

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220138d09a1

<400> 12172

cttccaaatg atgcacttct tatttataaa aatttaggtt aaatttaaaa ggataaaaag 60
 aagagaggga aagagagagg aacaaggggt cttggggcag ggtctagtgc ttataaatac 120
 tctggcatta gccactagct ttcacaaact gaggcacaca aaaaaatggg ttcttcttct 180
 tccatagga ccgtgtgttt gatatttggca tctactggcct ctgcagcact ctgtgccaac 240
 cctcgtagac cagtggatgt acaatttggc cgaaactacg tgcccacatg ggcctttgat 300
 cacatcaaat acttcaatgg aggttctgac attcagcttc atcttgacaa gtacactggt 360
 actggcttcc agtccaaagg gtcatacttg ttgggtcact tcagcatgta cataaagatg 420
 gttcctggag attcagctgg cacagtcact gctttctata tatcttccca aaatgcggag 480
 cagcagaga tagactctga gttcttgggg aacagaacag gacaacctta cattntgcaa 540
 acaaatgttt tcaca 555

<210> 12173

<211> 445

<212> DNA

<213> Glycine max

0957 116 018

cttaacaata tcataatatc cctgaaagag ggaagggatc tattaagttc caaggc aaat	60
aactacaaca cactaattaa gaaacaacaa atgacaaatc gagcttgccc ggagaaacaa	120
accctagcag tagcacacac ataatttaga tttattcatg gtttacctca ggataaacac	180
gctttatcct tacgtcctta atggaaacag gcttgatatcc atatatggga gccagtgtga	240
cagaaatact atcatcgtct ttgagttact cccaaggctt tgaactgata cgttaatggc	300
aatttgaaag aagctcagga gatgttggtta tgggtgacat gcggagagtg aggcaaagtc	360
acaaagcttt cccgaaaact ctgaatcgtg ggggtccaatc tcattattgg cttgggtcgtt	420
gatgaacaca tcaaacctta cacca	445

<210>	12174
<211>	577
<212>	DNA
<213>	Glycine max

<400>	12174	
gagagagaga gagagggaga gatcactgct cctgaactat aagctatata gcacttggat		60
aatcttaciaa caatggaggg gaccagcagc caaagcacgt gtgccttcat ccctagcaca		120
atcgagacac caagtccaag catccctgag atatcatcat gatcttacctc tggctctctt		180
gcaagaattg cacaaagtta ccctaacggc ttttccagaa aggtgttagc ggagattata		240
gggacatttt agttgggtgtt tgtgggaagt ggttctgctg ggctaagcaa gattgatgag		300
aggatgggtgt caaagcttgg agcatcactt gcaggaggac tcatagtac ggtcatgata		360
tactcaattg gacacatatc aggggcacac atgaattccg aggattctct tgctatcacc		420
gccggcaggc atcttgcttg gccacagttc ccattttata tagcagctca actcactggg		480
gccatttctg cttcatacac attgagagag ctgctacgac catcacatga gattggagga		540
gcatacctg ctggatcaca cattcaagct ctaatca		577

5572

<213> Glycine max

<223> Clone ID: jC-gmf102220138d11a1

<400> 12175

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cccaacacaa gtaacgaaga agtcatttgt atctcgcaag tttcgatccc cagaaggaaa   60
ataattatgc acgaaattag agaccctgca attcggctct tcggtcagaa gatccctttt   120
cctgaagatg ttgacaaaga agaagagagt gctgaggata gagaacaaga gatggaagaa   180
catgaagacg aacgatacaa ggataactaga gatgaaaatg ttactaatga agagctagaa   240
gctgatcctc ctctagatgc tgaagagact aagatttcag gcacattcca tgaggctatc   300
gtgaacccca aaacaccttc catagaagaa gagacagcca aatcaaacgg tggcatatca   360
tagaaggaac aaggcgatgc agtcaactca caagagaaaa ccctgaagaa gcctgataaa   420
gtgctaccat gccccgggtg gcaaagcatg gacacttaat tctgttacta caacaactac   480
aatgtcaacc agccgcgtta tttctgctaa gcctgtctaa gatactggac t           531

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<210> 12176

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138d12a1

<400> 12176

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gaagagagac gagcagtcaa aaaccatcac aaggggcaac cacacgacag cggacacgga   60
caaagtctca ggccacaaca gggacgccga acacgaggac gagcagcgcc aaagaggcga   120
acacctaggg gagcagcctg gcgaccacaa tgctgcagcc actggacagc atcaagctga   180
tgagcacact cctcagcacc aaggaggcta agagcacaaa gacgggtcgc gagaca       236

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<210> 12177

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138e01a1

<400> 12177

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cttcaaaaca ctcataactt atagcacaat gcttagctca tccttgagtt aaaaaatggc   60

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agcagcttct	tccatggtct	tctcatcccc	atccttggct	ggcaaggccg	tgaagctggg	120
cccatcagcc	ccagaagtgg	gaagggtgag	catgaggaag	accgtcacca	agcaggtctc	180
ctcaggaagc	ccatggtacg	gccagaccg	agtcaagtac	ttgggccccat	tctctggcga	240
gccccgtcc	tacctaaccg	gtgagttccc	aggcgactac	ggctgggaca	ctgctgggct	300
ttccgcagac	ccagaaacct	tgcgaagaa	ccgtgaactc	gaagtgatcc	actccaggtg	360
ggccatgctc	ggagccttgg	gctgcgtctt	ccgggagttg	ctgtcccgca	acggagtgaa	420
gttcggagaa	gccgtgtggt	tcaaggccgg	gtcccagatc	ttcagcgagg	gtgggctcga	480
ctacttgggc	aacccaagcc	tgatccacgc	ccagagcatc	ctcgtcatct	gggccacac	539

<210>	12178
<211>	540
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220138e01d1
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<400> 12178

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gcatttcggt	ctttgacgct	cactttccgg	ggacgaagat	gggggcatag	gcccaggcgt	180
tgttgttgac	agggtcagca	aggtgatcgg	cgaggttctc	caatggaccc	tttccgggga	240
caatggcctg	aacaaagaag	ccaacatag	agaacatggc	caatcgtcgg	ttcttgagtt	300
ccttcacctt	aagctcagca	aaagcctctg	ggtcacacgc	aaggcccaat	gggtcgaagc	360
tgccacctgg	gtagattggg	tcagtgacct	caccgagggg	gccaccagca	atacgggaac	420
cttcaacggc	accattagg	ataacttgcg	tggcccagat	ggcgaggatg	ctcggggcgt	480
ggatcaggct	tgggttgccc	aagtagccca	gcccaccctc	gctgaagatc	tgggacccgg	540

<210>	12179
<211>	488
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220138e02a1

<400>	12179
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aaaaaaacta gtaaagggtg ttttagtatt ggagagagga catagtgtgc gacaaacaca 60
 aacagtgtag cttagcaaat ctgtgtttgt tgtgagcgac gactcttgtg cgagtgaag 120
 cagcagcaat aatgttgacg acgatgaatc ttcctctgca cacttcggtt tgggtaaagt 180
 cccggcggag ttggtgttgc tacgcctcac ttctgcagcc cgataggaaa gagatccgtc 240
 tcggtttgcc cagcaaaggt cgcagtgcg ctgacaccct ccaacttctc cagaattgtc 300
 aattgtcagt gaagcaggtc aatcctcgac agtatgttgc tgaaattcct cagctatcca 360
 acctcgacgt ttggtttcag aggcccaaag acatagtaag aaaattgtta tctggagatc 420
 ttgaccttgg tattgtggga ctcgatactt tcagtgaaca tggccagggt aatgatgatc 480
 ttatcatt 488

<210> 12180
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138e02d1
 <400> 12180

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 ccagtgttat gaagagaacg aaaggaaaaa gatacaggct ttctacaaa atttcaatct 120
 ataaagcgat gtggaaatag gagttcctct atgaataatg agctaaaaat gcaatttcag 180
 ttatctacgt cctccatttt ggtgtacttg gcttttgag ctttcacat agatttaatg 240
 ctcatctact tcgacagtat ctgaaaaacg aaacatcccc taatgactcc attgattgat 300
 cataaatggc tatagcccaa gtttagatag gagctgacgc catcttggag tttcttcac 360
 aaaaatatag gtcaagggtg atataagaac tccactgcct ccaatcgctc tcagttgttg 420
 tatagacttg tatagtgcct tctgaggcac acatatgact atggcataat agtctgctgt 480
 taccttcca tcacgcttgc agaaaaca 508

<210> 12181
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138e03a1

<400> 12181

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ggcattggaa gaagattctt ttatgccttt attgcatcat tatgatgggc caaagtttcg   60
tcttgagctg tcagttccag agactctgga tctggtggac ctatgtgaac aagctgggtc   120
agcagcataa gcaagaatcg cacaaggaat gaatgtgcaa aataggtagt aggttttggg   180
gtgccagctg tgtggttttg gcagattttc cgtgaagcgt aagcttggaa agtggatcat   240
catcttcttg gggaagtaaa gggagcgtgt tgagagttag agacccttg ttggtgaata   300
aaaatggttg tggatatctat ccccttaaag gtgctttgta gcatttgcac gaacatttaa   360
tacctttgta tgattaagta aaagtacaga cttgggtatgc aatcaaagag actactgttt   420
gtactgctaa aacatgaatc tgttgaacca agaaaaaat tgaagtcaaa agcttcatgt   480
attactaa                                         488

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<210> 12182

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138e03d1

<400> 12182

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ctatgtaatt catgaagctt ttgacttcaa ttggtttctt ggttcaacag attcatgttt   60
tagcagtaca aacagtagtc tctttgattg cataccaagt ctgtactttt acttaatcat   120
acaaaggat taaatgttca tgcaaatgct acaaagcacc ttttaagggga tagataccac   180
aaccattttt attcaccaac aaagggtctc tcaactctcaa cacgctccct ttacttcccc   240
aagaagatga tgatccactt tccaagctta cgcttcacgg aaaatctgcc aaaaccacac   300
agctggcaca ccaaaaccta ctacctattt tgcacattca ttccttgtgc gaatcttgct   360
tatgctgctg aaccagcttg ttcacatagg tccaacagat ccagagtctc tggaactgac   420
agctcaagac gaaactttgg cccatcataa tgatgcaata ctggcctgaa               470

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<210> 12183

<211> 505

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138e04a1

<400> 12183

ggctgttgcg agctataagc tagatcctcc tgaggagaat atgaagacgt ccgctcgggg 60

ggatgctgca ggcgttctgg cggcatggcc atgccatggc gcaggctacc aaaggttccc 120

tctgcgaatg aaaactggct atggtgagcg ttcttcggag gtaaaatgcg catgtttaag 180

gcttgctgcg gaagcacaca acatccgagc ctttaaaacc attcctgaag agggcgtaga 240

accaacccag gactacatta acggcgaaca atttagatca gactctaaaa cagctaacca 300

acaagctatc ttttatgcta gtgaacgca agtccatcac aacgacatat gtatatgcgg 360

catagataac accgcactct ctaatatccc atactatgaa aaacatggat atggggcgga 420

ggaatttaat gaaaccttat atgacgaatg ggtaacaag ggcgacgcac cggcattgcc 480

agagactctt aaaaactaca acaag 505

<210> 12184

<211> 631

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220138e04d1

<400> 12184

nggaggggag gggttgagct tgnagtatnc tnattnnggg ttaaanccag ctaccagtcg 60

gcggccgccc tttttttttt tttttaaatt caaaacctat agttttatta attagcagat 120

gttctcatcg ttaaagggtca acatcttata gactacttat accaccaatc tactttcaaa 180

atactgagac atctaaaggc cacacatgca aagagttgga gaatcatggt ggcttctaca 240

aacttgcgaa agagttcgcc acatcaatca caaagcgata tttcacatca gctttgctaa 300

gcctttccat ggctgtgttg atctgatcca tcttaatcag ctcaatatct gcagttatgt 360

tgtgctttgc gcagaaatca agcatttcct gagtttcttt gatccctcca aagttgctcc 420

cccctataag tttccgtcct gcaactaatg gaaagatagg aagctcaagg ggcttggttag 480

gcaaccctac agtaactagc ttoccattca gcttcagcag accaagcagt ggaatcaggg 540

aatgaacagc agaaattgtg tctatgatat agtccatggt tcccaaagcc accttcattt 600

ttgcagggtc tgatgaaaca aggaagaat c 631

<210> 12185
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138e05a1

<400> 12185

gagcgagcga gcgagcagtt tcaaataagag gatttgggat tgggaaggcg agggattgcg 60
 ctgcgtctct tctctttctc ttctgattca tccctcattc ataatcttcc aatccaacaa 120
 cctcagcctc acactcacac atacacacat ctgaacgcgt atcgccctc ccatggcttc 180
 aaagcgcac ctcaaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240
 tgggtccagta gctgaggaca tgttcattg gcaagcaacg attatgggtc ctgctgatat 300
 tccttatgct ggaggtgtat tcctagtcac tattcacttt cctccggatt atcctttcaa 360
 acctccaag gttgccttta ggactaaagc gtttcatccg aacatcaaca gcaatggtag 420
 catttgcttt gatatactta aggagcagtg gagccctgca ctcaccatct ctaaggtagt 480
 gctgtctatc tgctcattgc tgactgatcc aaatcctgat gatccacttg atcctgatat 540
 cgctcacatg taccaaactg accgggcca g 571

<210> 12186
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138e05d1

<400> 12186

tttntttttt tttttttttt tttccttttt tatgttggtc tttttttgct ggggggttggg 60
 tttttttctt taaaaggtag acccaaattc cccatttttg aaccgggggt aaaaatttgc 120
 taaaaatttg gaacaccccc ccccttgggc cccccccat caaaagtggg gtttggcccc 180
 cgcccttttt atcttttatt ggggaaaaaa cctgggggga ggcttggggg gccccccccc 240
 aaaaaagggg gcccttatta taggcggggg gggggctcca gaaatcccc cgcgtgcctt 300
 ggggggaaac atctacgtcc cgctcgcccc gaaaattgct ccggggcgccc atacaagcgg 360
 ggggggcttt ggccccaaa 380

<210> 12187
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138e06a1

<400> 12187

cgcgggcggtca cccaccgaga cctcatgccg gagaatctcc tcttagacca aaacgaagac 60
 ctcaaagtct ccgacttcgg actctccacg ctgccggagc atcgccgcgc cgacggcatg 120
 ctcgtaaccc cgtgtgggac ccctgcttac gttgcacccg aggtcttaaa gaaaaaaggt 180
 tacgacgggtt caaaggccga tttatggccc tgtggggtaa tcctcttcgc tttgctttgt 240
 ggctattttac cettacaagg tgagaacgtt atgagaattt accgaagggc tttcagagct 300
 gaatatgaat tcccagaatg gatttctccg cagggcagga atcttatttc gaatctcttc 360
 gatgctgac ctaggcaagag gtattccatt cctgatataa cgagggaccc ttgggtttcaa 420
 gttgggttca tgaagccctt cgcgttttct attaaggagg cttacgttgt agacaacatt 480
 gatttcgacg atgtg 495

<210> 12188
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138e06d1

<400> 12188

ccccctccc ccccggggcc cgggttcccc ccctgggggg ccccccccc cgggttttcc 60
 ctctccttcc ttggcccccc ccttggttnt ggggggtcng cccctcccc cgggggncaa 120
 agntttgtct tccggtctct ttttttggcc gggcccccc cccctcttt tttttaaaaa 180
 cccctcccc cccggggggg ggccccccct ctataaaata aataaaaggg ttggggcccc 240
 ctttgttct tatagacggg gcccccccc cccccccagg ggtaaacaa aaacaccggg 300
 gggattccct tgggtcccaa cccccccca caaccttgaa agggcccccc 350

<210> 12189

<211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220138e07a1

<400> 12189

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cttctcatta acacactacg cgtgctagaa cctctgctct cctcttgctt ttgatagaga   60
agaatgaagc gagaagatgt cagacgcggt ctgcagcgac tgcaagaggc agacggaggt  120
gggtgtttgac cactctgccg gcgacacggt gtgctcggag tgcggcctcg tactggagtc  180
ccactctatc gacgagacct ctgagtggcg taccttcgcc aacgagtccg gtgacaacga  240
tcccaatcgt gtcggcgggc cctccaaccc cctcctcacc gacggcggcc tctccaccgt  300
catcgccaag cccaacggcg gcgagggtgg cggcgagttc ctctactcct tcctcggtcg  360
ctggcagaac cgcggctcca accctgatcg cgccctcatc atcgacttca agaccatcgc  420
caccatgtcc gacaggttgg gactcgttgc gaccatcaag gatcgggcaa atgagatata  480
taagagggtt gaagatcaaa agtctagtag aggaagaaat caagatgctt tattggctgc  540
ttgtctcta                                     .                               549

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<210> 12190
 <211> 341
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220138e07d1

<400> 12190

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cccccaaaa aagggggggg gggcccttga aacaaaaaaa ataaaccctc cggccccgga   60
aaatgatgga atacccccga tttttgaaaa aaaaaaaccc ccccttttgg gttccccccc  120
caaccttggc gggggcccgga tccccctttg ggcctttttt gggaaccag caccacagct  180
ttttcccccg ggggggggatc caaaaaaagg ggtttagggg ctgggaccaa aaaaaaagg  240
ggggccaacc ccgggaaacg ggaccctttt tcctcccaac aaccccaaaa ttttgcgggg  300
gggggccgaa gtttcccttt ggggctttct ttttcttggg a                               341

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<210> 12191
 <211> 144
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138e08a1

<400> 12191

ctcaagttcg acacaaagtg cagaaatgga gaaaaaggaa atatgtgtct tcctttcctg 60
ggagtgatag ggcttatcgc catggtgttt caattcaaaa gtctgaagtt tctttgtctt 120
tgatttcatg aagatgacat ataa 144

<210> 12192

<211> 122

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220138e08d1

<400> 12192

caaagttaaa gaaactncaa acttttgaag ggaaacacca tggcgataaa ccctatcact 60
cccaggaaag gaagacacat atttcctttt tctccatttc tgcactttgg ggcgaacttg 120
ag 122

<210> 12193

<211> 404

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138e09a1

<400> 12193

atcgatcctt aaacaataag agaattattag tctatataat atcagtgcta attaggcgtg 60
tcaaaagggc taatcgtgct cgtttatatc taaatagccg tagctatgct aagactttgt 120
gcatgcgtgt agtacttgct catgaatttt gagtgcattc ttttcatcaa gctgagacta 180
gaagatcctg gtgaacattc aagttcatgt gctaaaaacc tgctcctgat gattaagcat 240
gcaacggaca tctgtacacg catggaacat ggaccttgag catctccaag acgccttgac 300
catgaaagac atactacgct gctggaaacc tactgggcgc cgaacatgct tacggaagct 360
gtcacgtcaa gcatgctatg tacgggcaca atttatctcc tgtg 404

<210> 12194
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220138e09d1

<400> 12194

acccaagaaa aaaatttttt tttaaaaaaa accccgcgag gccccccctg ggcccacccc 60
 tctttgggcc cccccccccc ggaaaaaccc ccccggcccg ggggaaaaaa aacccccaaaa 120
 ccccccccca gggggggggg aaaaaacccc cccccccccc ttggggaacc ccctattttt 180
 tttttttggg gggaaaaacc cccccccccc tattggaaaa acccctggtt tctcccaaaa 240
 aggccccggg ggggccccaa aagggggggac cccggggggg gccccccctg gccaaaaacc 300
 ccctttgggg ccccatcctt ttaaaaaagg cagcgaaccc cctttcttaa acaaaactcc 360
 cattggtgga aaaggggggg gccccgcgag ggcttttcca tcccctcca aaccccggat 420
 tttgtgttgg gggccccccg ggggggggaa aaaaaaaaaa cctccccccc cccccggg 478

<210> 12195
 <211> 360
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220138e10a1

<400> 12195

ctatatcgat gatgctctca acatcttata tatatttgcc tttatcctgc cgaccggcgc 60
 ctacatgagg agtgagacat gatgctgttg atcgttacca ccctgttcaa cacagttggt 120
 cgcgatgaat gaactgacgc acctgctggt gggactcaaa gctgctggat ctacttccat 180
 cgtgtcccat ctcatccttg gcctgattgc acacaacgta cccaccatca catacaatgg 240
 ttcgactgac gactgcaata tcattctcca atctgtgtgc aatggagggg gactggacaa 300
 gagcccagct ctgaggtggc atcatttcca taacgctcag ggtcatatct ccgtgattga 360

<210> 12196
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220138e11a1

<400> 12196

gatagctaga agcaataaga tgaaaattaa agcgctcgat tcgtttgctg ctacagatgt 60
 ggtcgcatat gaatgccatg gctcatacta ccagaagttc cctctccaaa tgaacactgg 120
 gttcggcggg caatacaaca atgaggtggc atgagccagt tggaggctag gcgcggaagc 180
 aaacaacgta gtcaagcggc taactgggtc tgcaacttgc ggagagtaca tcaactgacta 240
 cgggccagga gaccaatgta gactagattc caaaacagtt aaccaacaag cttatttact 300
 atgctaaatt cctcaaactc accaacaag atgtctttgt ctcggaagta gacgacacta 360
 ctctatgtaa tctccagtat ttagctaacc atggattagg agtggaacca cacaatacga 420
 cggcgttcaa gaactgggtt cttgatggcg aagcattcgc actgccagag actcttaaga 480
 tgtacaacaa ctgttggtc tc 502

<210> 12197

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138e12a1

<400> 12197

gtagagtggg gagcatgcc aatcctcgc gaagggcaac ctcaactgact ctcgagaccg 60
 acaaagtctg aggctccgac tatgattccg aacacaaggg cttgccctgc aaaggtgacc 120
 tacacctcaa gtccttctt ggtgaccacg gtaccgcatt cactggctat catcaagctt 180
 ctgtgcagac tactcatgac catataggct aagagcacac gtgagactag ctaggcgaca 240
 catacgtctc tacaccccaa gcaggttctt cgttggaccg gcaaccaga acaaccatta 300
 catctatggt tctagccac catggacatc gacacatact ccgtacaatg gactactgca 360
 atcatactat tctctgcgga cggtaaccct atatggg 397

<210> 12198

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138f01a1

<400> 12198

ggtagaccaa ggtaggttat ttgccatggt cattggtggt gaagtggaag agaccgtgag 60
 agagttgagg caatacttca aaactggaaa aaccaagagt gtgacatgga ggaaaaacca 120
 gctcacagct ctcttagacc ttgttcatga gaatgaagat gctatattta aggccctcca 180
 tcaagatctt gggaagcacc ctgttgaggc ttaccgtgat gaggttgag gaggtagaaaa 240
 atccgccagc aatgctttga gctgcgttga gaaatggatg gcccttaaaa agagtgatat 300
 cccttttctt ttcttcccag cttaaaggaga agtggtgtca gaaccacttg gtgtggttct 360
 catattttct tcttggaact tcccaatcat actgacattg gatccaataa ttggggcaat 420
 atctgctgga aatggttag tcataaaacc ttcagagcaa tctccagcaa gctcttctt 480
 tcttgccact accatttctc gctacttgga ctctaagcc atc 523

<210> 12199
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138f01d1

<400> 12199

tttntttttt ttttttttga attaatTTTT tacgtttgta ggcactttat tcatgggggg 60
 gccacacggg tggacaaatg caggtgaaag cgaagttaa aatgtttgac attgtctggt 120
 ctgttgagaca ttagaagtaa aaacatccta ttactagcaa gaaaaataag agatacaaag 180
 gttcgtttat tacaacgcca agttaaagtt caccacatgt gcaacttctg caaataagga 240
 ccctttctcc tattttccta caactcatat tcagtcacaa taaagcttaa ttctttttta 300
 atcaacgtgt atttgaggaa tagatgaaca ctgtgctgag gtatttatct acttgatct 360
 tttcaagccc agcatgtgca gtaatagtcc aaagtagttc agcctgtatg ccaatctgat 420
 aaactcgagc ttgaacttac tccaaggagg gtaccttggc tcaatttaag gaacagcttt 480
 ctatgcatta cagctttttc atggctgaaa 510

<210> 12200
 <211> 78
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138f02d1

<400> 12200

ggatgagcta nctnnnaggg gnnnnngggg gnnncaacggc tccactctag attctatnct 60
caatnnnnggg ttaacggc 78

<210> 12201
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138f03a1

<400> 12201

gcattccaat cgctcccaaa tattttttttt atttgttcat aactcaataa ttctcatcat 60
gggctccttg attgttccag gtgaacatga tcacaaacta aagcttggtt ctcttcctt 120
tgtatcaacc agtcacctca ttcccgtagt agacatagct aggctctttg ccattcatgg 180
tgttgatgtc accataatca ccaccacagc cactgccgcc attttccaaa gctctatcga 240
tcgcgaccgt gaccgcggcc acgctattag aaccacggt gtcaagttcc catgtgaaca 300
agttgggttg ccagaaggag tagagagctt caactccaac actcctcggg atttgggtcca 360
caaaatctac cagggactca ccattctcca agaccaatac caacaactct tccatgactt 420
gcagcctgat ttcttggtca ccgacatgtt ctacccttg actgtggatg ctgctgctaa 480
gttggaat 489

<210> 12202
<211> 504
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138f03d1

<400> 12202

ggaaaagcaa ctaatcattt atttacctaa ttatgttgac actgataaca tgattacaga 60
aagaagtgtc cagttgcaaa atctttcaaa tcattggatc acactactct aatttaacca 120
aaaacataca aacacttaga attcttttat ttcataagta gtacaattac taggtaacaa 180
tactattata tttcacacta tttttgaatg aggcatgtca cttatttaga atcacagtgc 240

tatgtcctga attgattgca attatcccca agagttggcc taacttttgt ggttggcctt 300
 ctgcagtttg agtgacttca actcctggat cagttctttc aaattgttgt gagaagaccc 360
 tccaacctga atagctttct tagcagcatc actaagtgtt tttgctcttc tcctcatttc 420
 tatagactct tcaccaccca tcaaaacacc aattgcattt cctatctctt ccctttttac 480
 cacctcatct tcaaactcat tcca 504

<210> 12203
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138f04a1

<400> 12203
 atgatacgtg ggctccgggg ggctgttgat gtaagaaaaa taaccaattt gacccttagt 60
 ccaagtatta tatttggata tttattaaaa tcaccttttg ggggagaagg gtggattggt 120
 agtgtggacg atttgggaaga tataattggg gggcatgtat ggttgggtta catttgtata 180
 cttggtggaa tctgtcatat gttaaccaat ccttttgcac gggctctgag tgcacttgta 240
 tggcctggag aagctctctt atcttatagt ataggtgctt tatctgtccg tggttatatt 300
 gcttggagct aagactgggt aaattatacc gcttatacta gtgagttgta caggccact 360
 gggccaaaag ctcttcaagc ttaagcattc acttttatag ttagagacca acgtcttggg 420
 gctaattgtg gatct 435

<210> 12204
 <211> 345
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138f04d1

<400> 12204
 ggaaaaaaaa gttttcccta aaacaaaaac gtcttttaca agggaaaaac cgccctggtg 60
 gattaacaag ggggttttaa aggccctaac caacaggggt ggggtgcctc ccccgaaacta 120
 ccagccaaa aagacttttg gcaaggggca attaaacccc ccccgaaacc ctgctttttt 180
 ccccggggtt ggggcctcca caagatcttg gccccgattc aaaaagtttt tcaatttttg 240

gggcccattt tatgaaaccc cgggtccaaa aattggccct aggattctta atccgctcaa 300
 taaaagtaat ggggggcccc ccgggggggg ggcgggtaac aattg 345

<210> 12205
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138f05a1

<400> 12205

atcttcttat agcttcatcc caatatgctc ttttccttct aaatttgatt ccttagttca 60
 gcattctatt attatatatg gcttcttcac cttcctcaga aaacaaaaac ctagaggagg 120
 tagctggtgg tgccggagag aaacccattc cacttggtga gaacgttctg cagaagcatg 180
 ctgcattctt tgacttgaat aaagatgggt tcatctaccc atgggagact tttaaagggt 240
 tgcgtgaaat cgggactggg gttttgctgt ccgttgaggg tgctattttc atcaatgcgt 300
 ttctcagtca gagtactcgt cccggaaagt ttccatctat actttttcca attgaaatta 360
 aaaatatcca acgcggcata cacggcagtg acactggagt ctacgatact gaaggaaggg 420
 ttgtaccttc aaaatttgaa gaaattttta acaagcatgc acatacacat gcaaatgctt 480
 tgacatatga tgagttaacg gagactgata agggcaatag agagcctaaa gatttc 536

<210> 12206
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138f05d1

<400> 12206

ggggcccggg gccccttttt ttttttcccc ccgggggggc cccccgggg ggcccggggg 60
 gggttttggg gcccccccc ccctcccttg gggggccttt ccccccccg gtggggcccc 120
 cttttgggtg gggggtttcc cccccccctt ttcccttttg ggggggcccc cccctccct 180
 ttttgctggg gggggggggg gcccccccc ttggtcccc cgggggtgtg gggcttnngg 240
 gcccccttt cccctctggg ggcccccccc cgccccccc c 281

<210> 12207
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138f06d1

<400> 12207

ttnnnnnnngn tttttnncatt ttctccttta tagtaaataa tcgacaagta agccaagggg 60
 aaggagagag gagaaaatta tgaacaaaac gattttaagca aaaaacaaaa aaaaaaaaga 120
 aaatcctaca tctcaaaatg cagggttaat cttttaccca aattatcaac atgactgtag 180
 caaaacagga ccaactgata aactaagcat atcgctgaga gcaacctgga gatcctttga 240
 cccatgttca caacgtacca agctggagat gagaggggaag aaatgagaca gggttcttctc 300
 aaaagaagta tctcccaaac tacaaatagc ctgaatagta gccacaatga gaggnccgac 360
 gtgctgccaa ttctctctctc ttcccagtgc ctaagggaat tgaccaatgt tgctgtctac 420
 catgagaaga ttcagattttt tgtccaaaac ctgcaacttc aatataaaac tccaaaacct 480
 cctgacaaag ccgaatgaga tgcaattcaa cctcatccgc ctcgtaacta 530

<210> 12208
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138f07a1

<400> 12208

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 ttaataaagc aaaatgcaca cataccccaa acaaaacaag ccttattcaa tactaaaatt 120
 tgtgcttctt tctgcctttt caatacatca aagaaaataa aaaaattcct acccatct 178

<210> 12209
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138f07d1

<400> 12209

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 aattaagggg aataagcaac ttcaaacaaa catcacctca ctgcacatgg aacgggttttc 180
 tcggggtagt agatgctcga ttttccattg attgcaatct ctgtttgaga tgaaaaactt 240
 catactgtag ttggaatgct cttgctcttt ctctgcaat aactcctctt gttgagtgc 300
 actccttctg tgtatcatct aaaacagcct tgaggaaggc cacattatgc tcaagccgta 360
 cattgtcaga gtgcacaatg tttgataggt tgttggcctc ttctggggcc aactctagac 420
 tggtcagctt ctctctcatc aattccatct cctta 455

<210> 12210
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133f08a1
 <400> 12210

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 gcatatactc attctcgggg gttgcacgtg tacacgctcc ccgatctgga ttacgactat 180
 ggcgctctgg agccatccat catcggtgaa atcatgcagc tgcaccacca gaagcaccac 240
 cagacttaca tcaccaactt caacaagggc ctcgagcagc tccaagacgc cgtcgccaag 300
 aaagattcct ccgacgtcgt taagctccag ggcgccatcg agttcaacgg cggagggtcac 360
 gtcaaccatt ctattttctg gaaaaatcta gctcctgttc gcgaaggagg tgggtgaacca 420
 cccaaggggt cactgggatg ggccattgac acacattctg gctcttttga agcattagtg 480
 cacaaagtta atgcagaatg tgctgcacta caggagtctg gatgggtgt 529

<210> 12211
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138f08d1

002200"ETTES0

<400> 12211

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gggtttcttc taaaaggagc ccctaggaca ctacatgga caacaattat ggctctactc 120
tccaaatatt acattcatac tttgacatgc tgggggttggg cctccacaac attggttcat 180
caaaggtttc tacaccaacc gcacgtccaa ggatttggag ctggttctat aatctgacta 240
taaaccaaaa acttaactat cgacacctcc ttctgatcc tggccatatg cttctagcat 300
gaaagcactt aaattcccat cttattcatc cgaagcaaac tctcattgag aatggttcca 360
aggaattcca agaccacacc aaactcccca ttcaacaaa ctagatgaac tttggtgaag 420
gaagaaa 427

<210> 12212

<211> 562

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220138f09a1

<400> 12212

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agggagagta tgggtgtcact gacatgtttt atgctgcagc caggggcatg aactgcgagg 120
tctttaagct cctgcttcat tctgctcttt caagaaagga gtgccttggt ggcagtgaag 180
cagaattgga agagaagttg gatgaagggt ctaaggtttt caagagggat gtgatgaata 240
gggccattca tgctgctgcc agaggaggga attgggaaat actgaagcag attctaggaa 300
gtgtttctgt ttctcagggt ttgtcttata gagatgccct aggatgtact gtcttgcag 360
cagcagctgc aagaggccag gttgaggtgg tgagaaatct aattgaatcc tatgatatca 420
tcaactcagc taatgctcaa agcaatacag cattacatgt ggcctcttac aaagttactt 480
accctggtga gagattctgg ttggagcatc tgcttgtta gcaacgttaa ccaatcacta 540
tgagatact tttcttcaca tg 562

<210> 12213

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138f09d1

<400> 12213

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tgtaaagatt cgtaatacac aagcctgctc cagaagtagc aggaagtttg gacaaaagat 120
tcaaaaagga aaagtcatac acaaagtgtg caaaatatat ttcaaaagaa atacaaaatc 180
tttaatcaca ttcgcagggg ggagagaatt ctaggacagc ctcagtgcc a tttcatgaag 240
aagagctcgc ttttgagaag cattaattac attatgtgtt tcagcattct caagcattc 300
agcaattatt gcagatgcag ggccaagggg ttctcagcc accctcttca acatgaaagc 360
ctggccatga tgggttatgt taattgtgca gggttgctga aa 402

<210> 12214
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138f10a1

<400> 12214

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cttcatgttc aagctgggtca atgtggcaac caaattggag gcaagttttg ggaggtgatg 120
tgtgatgaac atgggattga tgccactgga aattacgtag gcaattccca tcttcaactt 180
gagaggggta acgtgtacta caatgaagca agtggaggac gctatgttcc tcgagctgtg 240
cttatggacc ttgaaccagg gaccatggat agcttgcggt ctggctcctt tggaaaaata 300
ttcagacctg ataatttcgt gttcggccaa aatggagctg gtaacaactg ggctaaaggg 360
cattatactg agggagctga gcttattgat tctgggtctt atgttggttcg aaaagaagct 420
gagaactgtg actgcttgca ggggttccaa atctgtcact cactgggagg aggaactggg 480
tctggaatgg gtaccttgct tatctcaaag atcagagaag agtatccgga taggatgatg 540
ttgacattct cagtgttccc gtc 563

<210> 12215
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138f11a1

<400> 12215

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aagaccatga ccatgggtcat ggtcacgata ctgctcctgt tcacgggtctt cgcgggtttca 120
tcggccctag acatgtcgat catctcgta cacaacgccc acgcccgcac gttgcgcagc 180
gactaggagc tgatgtccat gtacgagcag cggctcgtaa agcacggctc ggtgtacaac 240
gcgctcggag agaaggagaa gaggttccag atcttcaagg actacctgcg attcatcgac 300
gaccacaact cccaagagga ccgaacctac aagctcggac tgaaccgggt cgcggatctg 360
accaacgagg agtacagggc caagtacttg ggaaccatga tcgatcccta ccggaggctc 420
ggcatgaccc cgatcaaccg atactcgcca cgtgtcggcg acatactacc tgaatcggct 480
gattggatga ggaaggtgct 500

<210> 12216

<211> 469

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138f12a1

<400> 12216

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ggaccactat acttcttgcc actacatggc aagcagtcgc tagacgccac attgggtccaa 120
aacactcaaa caatgggggac aagaaagagc ctcaattctt gttccctcct gaaggtaatt 180
cacattttcc tggctttggg ggagtagggg tgccaccttt ctttggggtg acacctcaaa 240
acccaaacac tggcggcagc ggactaaggc tatgaccagc tggatcatggc tacgttccag 300
gaggggatga cacgttcgtc ccataccctg gcttcgaggt tccaaaccct gggagtggag 360
atggagaccc agttccagtt acagattata cgtgagtgct ctcaatcatg atgaggcatc 420
atgcacttgt tgcattgatt cacctgttca agctgcgcag tattcaaga 469

<210> 12217

<211> 509

<212> DNA

<213> Glycine max

<210> 12219
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138g02a1

<400> 12219

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gcctgtgccg tgtggtgttg tgtttttttt ttttgtttca tctccatctt tttcttcaaa   60
tttcccagaa gagaaactca caaagatgag gttatcattg aggcattgctt tgggtgtttgc  120
gttaattggg gcgttgtgga acttgcagag ggcagagggg atccgatttg tgatagacag  180
agacgagtgt ttctcccatg acgtaaagta cgaggggtgac actgttcatg tctctttcgt  240
tgttattaag gctgattctc cctggcatta cggcgacgaa ggtgtcgatc tcgtggtaaa  300
gggaccttct ggcgagcaaa tacaagattt tcgggacaag accagtgaga agttcgattt  360
tgtggctcac aaatccgggg tccataaatt ctgcttcacc aacaagtctc cttatcatga  420
aactgttgat tttgatgtac atgttggtca cttctcttac tttgagcaac atgccaaaga  480
tgagcatttc acccctttgc tggagcaaaa ttggaagttg gagggaagct ctatacaaca  540
t                                                                                   541
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<210> 12220
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138g02d1

<400> 12220

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gaaaaagaaa tcaactataa tcaacattaa ataacatatt tccacatgta ttatgagtag  120
gattgaacaa ctagttatat aaatatccat gtgatgacaa cggaaaaaag tttaaaataa  180
cattctcatt tgtactgtta cagattcgca gaacctttcg tagctctaaa ctctcgaggt  240
acccaacttt cgttcaaaca atcgctgcag aaggtagact tgcagcgcac tagccccaat  300
cagtgtgctt gattcaaaaa ttgccttggt tactgtctct ctgctcattg catcgttcac  360
tattgcttgg cggtcagtct gagcctctaa ccaatgctgt tcaaactgaa tgttgtatag  420
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agcttctctcc aacttcccaa tctgctccag caaaggggggt gaaatgctca tcttttgcag 480
gttgctcaca gtaagagaag tgaccaacat gtacatcaaa atcaacagtt tcatgataag 540
gagacttgt 549

<210> 12221
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138g03a1

<400> 12221

gagccacatt ttgtccctgg tttactcttt atgagctctt cataggacag ttaattaaaa 60
ttatagcctg aaataagggt tctactagcaa tggcctcaac ctcttctgct ctcactatat 120
cctcttcttc cacccttcat gattgcaagg ctccaagaca gtcaccagct gcttcaccac 180
aatgtgtgag ccttccctct ccccttttgc actctcagaa ctgttcatgg aagaccactg 240
cttattgtcg cagtattgct cgaaatgtta tggcaatggc cacaggagag gcaccagctg 300
aagctgcccc gactgaggtg ccagagattg tcaagactct tcaagaaact tgggacaaag 360
ttgatgataa gtatgcagtg agttcactgg ccctgggttg tgtgggttga ttgtggggct 420
cagttgggtt gatctcaaca attgataggc ttcctttgat tcttgggatt cttgagattg 480
taggcattgg atac 494

<210> 12222
<211> 461
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138g03d1

<400> 12222

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atcaatcact acacagataa tggaggaaat gagtttgtct taaaagtga tcaatatata 120
taaaaagata caattttttc agaacttatt ccattacttg ggataaagta tggtcagaag 180
cttatggcaa caaatgaag catggggaca tcttcaacag gaagctgcaa gatatgacac 240
tttcatgtca acagcatctc agcatttcct aacactttca gttgctcccc agtatttcgt 300

tgtatgtttc ttttactttc cgtaccaaag cttccctgtc tggcttgaaa actatgttct 360
 tatatacaaa ccaccagtg tatccaatgc ctacaatctc aagaatccca ggaatcaaag 420
 gaagcctatc aattgctgag atcaacccaa ctgagcccca c 461

<210> 12223
 <211> 579
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138g04a1

<400> 12223

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 gcattctatt attatatatg gcttcttcac cttcctcaga aaacaaaaac ctagagggag 120
 tagctggtgg tgccggagag aaacccattc cacttggtga gaacgttctg cagaagcatg 180
 ctgcattctt tgacttgaat aaagatggtg tcatctaccc atgggagact tttaaaggg 240
 tgcgtgaaat cgggactggg gttttgctgt ccgttggagg tgctattttc atcaatgtgt 300
 ttctcagtca gagtactcgt cccggaaagt ttccatctat actttttcca attgaaatta 360
 aaaatatcca acgcggcaaa cacggcagtg aactggagt ctacgatact gaaggaaggt 420
 ttgtaccttc aaaatttgaa gaaattttta acaagcatgc acatacacat ccaaagctt 480
 tgacatatga tgagttaacg gagatgataa aggcaaatag agagcctaaa gatttctcag 540
 gaaggattgg tagtgtggtt ggatggaaaa ttctttaca 579

<210> 12224
 <211> 644
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138g04d1

<400> 12224

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 accgagggtt tttattatta ttttttggtt gttttatatt ttaaggcaac aagcaaagct 180
 ctccaatctg caagtgggaa catgaattat gccactcttc cattgatgtc aatcaatgag 240

attcaggtgc tttctgctgg aacaggaacc tgactcaaaa catgaccaa gtttctgttt 300
aagggttttg gcctccattc ggctctgccc ctccacaatct cagcaccatc atcaagtcga 360
agcaagtgct tgcactcaaa aaatccatca tctgctaagt ttccaacatc agcaccggag 420
agatcagaga gggaatctag cacactgttc ctgccacact cctcctgtga ctccaatgtc 480
atggcacata gctcatggct ctccaaaagt ggctgcgag cactctccag aatccacca 540
acataattca cattgttaac atgctgattc acatctagat catgccatct gggacttaaa 600
ccagtgcgaa tgaaattagc tgaatcatca agtttggtta gttt 644

<210> 12225
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220138g05a1

<400> 12225

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aatgttgcta tattatctcc tcatggctac ttgggacaag ccaatgtctt gggtttgcct 180
gacactggtg ggcaggttgt ttatatacta gatcaagtgc gtgcccttga aaatgagatg 240
ctccttcgga tcaagaaaca aggacttgat ttcactccaa gaattctaatt tgttaccagg 300
ttaataacctg atgcaaagg gacaacatgc aaccagcggc tagaaagagt cagtgggtact 360
gaccatactc atattttgcy agttccattc agatcagagt caggaactct tcgtaaattgg 420
atctcaaggc ttgatgtgtg gccttatcta gagacttatg cagaggatgt tgcaagtgaa 480
attgctgctg agttacaagg gtatgctgat ttcattcattg gaaacttcag tgat 534

<210> 12226
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220138g05d1

<400> 12226

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 ttttggcaca gtcattcctt accccccgcc ggcccccaaa aaaaatataa aaaaaaaaac 120
 tcttttttgc acctaaaaat cttttggaag cgaacaaaat gaatgggagg gggctatgag 180
 gcaaaagtct atctcattgg ggtcccaaaa tcatgcaagc aaacttgact tcaccaactt 240
 aacaaagaat aacgaacgag gtggaacatg cagcgcctaa gaccctttag aggggctcca 300
 tcatcaactt ggtggggggg gcaccacttt caaacttggc atccattcac agaaactagg 360
 atcatcgaag ggaacaaaac tggctttcag cttt 394

<210> 12227
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138g06a1
 <400> 12227

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 cctgtaaggc tgcggatatt ggggtgggag tgcacttatt caactagcag atttgttagg 120
 tacctccata gtaagagaca ggaacatgaa atcatcaaag tgtgtagcgg tggtagatat 180
 aaagcaggaa tggcatcacg atttccgccg gcacacaaga cagagcgctt acatcacata 240
 ctcaaaatgg tgagggtctt ttgtgccttt gcaatacctg atacaaaata aggtgcttac 300
 taccatgta actagaagaa acaag 325

<210> 12228
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138g06d1
 <400> 12228

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 ttacattcta aatacaccat attttgtgtt ttgaatgtca cggttcaagg aggcagagat 120
 ggatagacca atgacttttc ttgtatccgc tggatcaatg attccatcat cccaaagcct 180

[illegible]

<223> Clone ID: jC-gmf102220138g07a1

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cttctggttc	tggagccgat	caagaaaacta	caaataaaga	tgtaataaag	atgctaagac	120
gcctagctca	gaatcgagag	gctgcccgga	aaagtaggct	gcggaaaaag	gcttatgtta	180
aacaattaga	atcaagccgt	ttgaagctca	tgcaattgga	gctggaaatt	gggaaagcaa	240
gaaagcaggg	tctgtatatg	ggcactgcat	tagatgccgg	ctatatagga	tcaacatcag	300
aaacaataaa	tccagggatt	gctgcttttg	aaattgaata	tggaacaatgg	gttgaagagc	360
aagaaaggcg	gaatgaagaa	cttagacatg	catttcaaac	acaagcacct	ggtgtacagc	420
tcaacgtagt	ggttcagagt	gtcttaaadc	attactcaaa	tcttttcaga	atgaaagcag	480
aagctgtaaa	ggctgatgtc	ctctatttac				510

<223> Clone ID: jC-gmf102220138g07d1

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tattttatatt tattttttcc accaggggtc ccccccttgg gatatttaca aaaacccccg 120
gccccaaacc ccaaagggat ctttttttgc ggggggaacc ccggcacccc cttaggaaca 180

aaggcctccc ttttaaaccg cgggggccat cccccgcaa aggaaaaaaaa aaaatttcca 240
 ggtttaaaaa cccatgcccc aaatgccctt tttatcccgg ggcccaattt ccccccgcc 300
 ccgaaggga aaaacccaaa aacttgcca aaaaaaccat ggcccaaata aaa 353

<210> 12231
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138g08a1

<400> 12231

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 cataactgcc tttccagcgt cgaacatctg aaggatccat gttatgaaaa cccggcaaaa 120
 ccaacagtcc ttttttccca ttggcacagt caaggatagg ttgcaagttc atctaagcaa 180
 aatgaggaag aagcatagtt tatagagagc acaaatgcac aatgatggta atcttgact 240
 cttgaattgc gttcacaagt gttggtgta tctctctccc tcttttaagc ttctcatgat 300
 caatgaaagt gtggattccc ctgtcactaa gagctttgta gagattacca aaaaaaccaa 360
 ggcggtgtc tgagcctcta aagctgagga acacatcggt ggtgaatgca tctgaacttg 420
 atcgcaaagc catgagaata caggtagctt tgacgtgctg gagacttgcc cgcatagctt 480
 ggtatgaact ggtgttctac atttggagct atttcaatct cactttttat atgaaactca 540
 caggccttat tgatgggttg actctctga 569

<210> 12232
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138g08d1

<400> 12232

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 caacacacaa aggatttctt ttttgcgggg gaacccccgg ccccccaaa aaaaaaaagg 180
 cctccctttt aattcctggg ggccatcccc cccccaaggä aaaaaaaaaa ttcccaggtt 240

taaaaccca tgcccaaaaa gcctttttta acccaggggc aaatttcccc cccccccga 300
 ggggaaaaaa cccaaaattt tgtccaaaaa aacctattgc ccaaaataaa acccccc 357

<210> 12233
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138g09a1

<400> 12233

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 tgggagaaaag cagcatcacc atctgggcca gcacctttta aacccccacc agcaggtagc 120
 acaagtgatg tagttgagggc ttcagggact gcaaaacctg gcgaaatagt tccagcttcc 180
 gataagactg caactgtcaa taggaatgct cttgggagac cccttcccac aaggccatgg 240
 gagcagaata atggaagtac cagctatgga gggtatgggt ccacaatgaa ttataattct 300
 ggatatggat cttatgggtg agtggagngg ttgtatggcg gaggaatgta tggcagcagt 360
 atgtacaggg gaggatatgg gggcctctat gggtcctctg ngatgtatgg ag 412

<210> 12234
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138g10a1

<400> 12234

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 gttcttgaac tcaccagct agctgaattc cgaaaaagcc cttttcttgt cccgaaatgc 120
 cgaaccctt ttcttcgct tagccaccac caaccgccc tgatccccg ttttaagatga 180
 tcgtccgcac ctacggccgc cgcaaaggaa ccctctcggg aacgtattcg ggctcgtcct 240
 ctctaaacga cgacgtttcg gagccattca gggattcctt atctcaggag attgacgacc 300
 ctctctgcgg cttcgcgttc tcttcccagg actcgtcctc gcagcattgg tcttcttcg 360
 attcggagat cggcgacttc ggaaacggca ccggcgcatg cggagcaagg gagtcgaaga 420

gggcgaatcg ggcgccggcg gaggggattc cggcgacgtc gacgctgatg gagggcgang 480
 agttcggaga gatgatggag cacgttgacg aggtcaatth cgctctcgac ggtctccgca 540
 agggtc 546

<210> 12235
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138g12a1
 <400> 12235

tgcatttctg cgcgtgtgtg tatgtgtctc tactctctca agtacgcaca tacatacacg 60
 tacattcgta cataaatact tataatctcgt ttacttctgc cgctaattct ctgaatccct 120
 agctcttctg atctccgacg cgatcatggc ctcagcttgt caacaacgct aacggcgccg 180
 tcaatgggtt tcttgaata tcccagaagc tcattatcga taccgaccct gggatcgatg 240
 atagcatggc cattctgatg gcttttcaaa gtccagacgt ggaggtgtct gggtttgaca 300
 accatttttg gtaatacaac taccgaactt gcaacactca aagctttgct tttgtgtgac 360
 atgtgatgcc gtgaagatat tccagctgca cagggaagcc atgagccatt gaaggtggaa 420
 aggctagtgt 430

<210> 12236
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220138h01a1
 <400> 12236

gagattgcct tccaaatcag atttgctgta tgatgaccg cttctgtttc tcttttcttt 60
 ttatccatca tccaccacct aataacgtat gaataaacac accttcacca ttacaacacg 120
 taaattaaag aggttacatc aaatatgtgc acatacatag taccctcca atttcattag 180
 caaaaacaca ctttcattgt atgaaagtat atatgtaaat cccaaagctt cagtttcagc 240
 tatgaaaata aatattcttc gtgct 265

<210> 12237

<211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138h01d1

<400> 12237

agcacgaaaa atatttattt tcgtagctga aactgaagct ttgggattta cacctatact 60
 ttcatacaat gaaagtgggt ttttgctaata gaaattggag ggttactatg tatgcgacac 120
 tatttgatgt accctcttta atttacgtgt tgtaaatgggg aaggggtgtt tattcatacg 180
 ttattagggg ggggatgatg gataaaaaga aaagagaaac agaagcgggt catcatatca 240
 gcatatttga tttggaaggc aatctc 266

<210> 12238
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220138h02a1

<400> 12238

cttgccgaga gggttgnctt tttgttcatt cttttcccaa ttcaataact ctctctctct 60
 ctcttgctcc ctacattttc gatcacttta aagtctcaaa cgtaatggct gaaagcgcgg 120
 tgacgaacag gaagcgcagc agcggggacg acgccgtttc ggagaatgac aganagcgga 180
 agaatatggt ggcacgcaac atggnacccg ctgaggcggtt ggccttgacg cggcacgagt 240
 tcgngagca cgggtggcgta aacatgtcga tcgaggcctc ggcgacgttc acggtgatgg 300
 agccggagac cctcggtcgc atgttcgccg gcgagctggg cccggaccgc gatttcttca 360
 ttacagccg ccacttcaac ccgacgggtt tcaacctggg ccgccacatg gccgccctgg 420
 aaggcacgga ggccgcctac tgcacagcca gcggcatggc cgcgatctcc tcggtactcc 480
 tccagctctg tagcaccggc 500

<210> 12239
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220138h02d1

<223> Clone ID: jC-gmf102220138h03d1

<400> 12241

ngtgggaggc tttggacttg nagtatncnc atnnngggta agaggcgact accagtcggc 60
ggccgccctt tttttttttt tttagtggta ggagctatnt ttttattaca aaatgataag 120
accgaggggtt ttggttatta ttttttggtt gttttatatt ttaaggcaac aagcaaagct 180
ctccaatctg caagtgggaa catgaattat gccactcttc cattgatgtc aatcaatgag 240
attcaggtgc tttctgctgg aacaggaacc tgactcaaaa catgaccaa gtttctgttt 300
aagggttttg gcctccattc ggtcctgccc ctcaaatct cagcaccatc atcaagtcga 360
agcaagtgtc tgcactcaaa aaatccatca tctgctaagt ttccaacatc agcaccggag 420
agatcagaga gggaatctag cacactgttc ctgccacact cctcctgtga ctccaatgtc 480
atggcacata gctcatggct cttcaaaagt ggctgcggag cactctccag aatccacccc 540
acatacttca cattgttaac atgcntgatt cacatctaga tcatgccat ttggggac 598

<210> 12242

<211> 456

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138h04a1

<400> 12242

ctcagagtgt gctgcttcag tgtcctgatc aaagatggca acattgactg cttcaagtaa 60
cttagtctct agaaattctc atgtccatca tggaccaaca actgcttcac atgagtctaa 120
agcagtagca atgggactta gatctctaaa gcagacaaat actcatagtg gacttagaat 180
ttttaacccg gtggatgagc tacttaacag aacccaatt aaaaccaatg caatgcaagc 240
tatgaggaag ggacctcaag gcaagaatgc ctggcctaaa ggtataatca catgtggcat 300
gactttcata attataggaa cggaggtggc tccatggtgc aaaactggcg ggtaggaga 360
tgttcttga ggtctaccac cagcattggc aggtttcggg catcgagtaa tgactattgt 420
gccacgtat gaccagttca aagatgcatg ggatac 456

<210> 12243

<211> 423

<212> DNA

[illegible]

<400> 12243

<210>	12244
<211>	518
<212>	DNA
<213>	Glycine max

<400> 12244

<210>	12245
<211>	484
<212>	DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220138h05d1

<400> 12245

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ttnttttttt tttttgctgt ttgatattta catatttttag ggcagaataa aggttgaaat   60
ttacattcta aatacaccat attttgggtt ttgaatgtca cggttcaagg aggcagagat  120
ggatagacca atgacttttc ttgtatccgc tggatcaatg attccatcat cccaaagcct  180
agctgttgag taataaggac ttgcttctct ctcataagcc tccactactt tccctttaaa  240
cttatectct tcttccttgc tccactgaat tccttgccct ttcttggtgc ctttctctat  300
ttgggccagc acaccagcag cctgagcacc acccatcaca gaaattctag cattaggcca  360
aaggaacaag aaattgggac tataggcacg accgcacatt gcatagtttc ctgcacaaaa  420
gcttctcca accattatag tgactttagg tacctttgca caagaaacag ccatcaccat  480
tttt                                             484

```

<210> 12246

<211> 396

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138h06a1

<400> 12246

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catggacgtg ggggagccga gagattactg acaaccagga ggtgctgtcg tgctatgccc   60
atagcaactg tcggaccgtg ccatcgctcc ccatgagacg gattacctcc agactcctcc  120
cgttcgtctt tactctccag acgacagcgt caacattgcc attgatacac tacctgacct  180
atgttctcgc cctggagaat aagagcaagc gccatctcaa acgcatcgt gggttggaac  240
aaatgtgatt tctatacctg tgtcgctcga ttgaccactc tggggatgtt agctcatgca  300
cttattaaga cgagtgtggt gtcagccatg atttggctgc cttcaaggca caaaaacctg  360
ctgatctaga ctggcattgt ccttccttta aatctg                                     396

```

<210> 12247

<211> 383

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138h06d1

<400> 12247

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cccccccccc cctttggggg gcccccccc ccccggggg ttttctctc tctcgtccc 60
cccgttttcc ccccccccg ggggggggg ccccccccc ccttggggcc ccccccttc 120
cccccccccg ggggggggg ggggggggtt ttggggggcc cttttcccc ccccccccc 180
cttttaaaaa gccgggggg gcccccccag aaaatttctt ctctgggcgg ggtttttcac 240
ccccccccct ttacaaagaa aaaaaacaag gtgggcggcc cccccccga ttgtaaaacc 300
cctctttccc ccatacccg ggggcaaaaa gaaaaatagg gggggggcga ggccccgccc 360
ccatcttaaa aaaagggggg ggg 383

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<210> 12248

<211> 313

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138h07a1

<400> 12248

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gaagggtttg taagagaacg aaatatgatg ctcaagatga gtggtagggt ttctgggacg 60
gtgaagtggg tcatcgatca gaagggttt ggattcataa cccctgtcga tggcagcgag 120
gaactcttcg ttcaccaatc tcagatcaaa tctgacggtt tccgaagcct agctgaagga 180
gagtcggttg atttcgctat tgaatctgaa tctgacggac gcgccaaggc tgtagatgtc 240
actggccccg acggcgctg cttccaggga accagactcg gcggtaatgg tggccgaagc 300
tatggcaacg gac 313

```

<210> 12249

<211> 459

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220138h07d1

<400> 12249

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gacattcaat gtaattggaa cacaatgata ttccttaatg ataaggcaca agataaaatt 60
cagtttcata tcatacctaaa tacgagtaca acaagtagtc acatatgaag tagctatgcg 120

```


[illegible]

<400> 12250

<223> Clone ID: jC-gmf102220138h09a1

<400> 12251

agcaaagga aaagcaaaca gagtgctcta tcgaagatag aagaagagat ggctaaatct 60
ccagaaactg aacttcccg cgaagcttcc ggttgggctg cttcagacac ttctggcacc 120
cttgacactt ttcatttctc cagaagagaa aatggcggtg atgacgtcac tctcaagatt 180
ctcttctgcg gggtttgcca ctggatctc cacactctca aaaacgactg gggtttcacc 240
acttaccctg tcgttcttgg gcatgaaatt gttggtggtg tgacaaaagt tggcaacaat 300
gtgaaaaact tcaaagtggg tgataaagtc ggagttggtg tgatagcggg gtcttgcaag 360
gaatgtgaaa gttgcacaaca agatctggag agttactgtc cccgccctgt ttttacctat 420
aactctcctt attatgatgg gacacgaacc aaaggtgggtt attctaacaat catgggtgtg 480
caccagcgtt atgtgctccg atttcttgag aacttgctc ttgatgctgg tgctcctctg 540
ctgtgtgctg ggataactgt gtatagcccg atgaaatatt atgggatgac agagcccg 598

<210> 12252

<211> 592

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220138h10a1

<400> 12252

agatggacaa gaactcagat gaaatatttt tccctcgggc agtagatcac agaacaaacg 60
aaaatgacca tggtaaacag atgaatagta gtggagccaa gaacattacg gaggaacaac 120
aggcactgtt atctggaatt ccaatccaac aaaacctagt atttgaaaat gacatgctag 180
aaagtgataa cgtgtcattt actgaaaaca ttaaatcagg atcactgact acttcaaatg 240
tctatcattg ctatgaaagt aaattggctt ccctgataag gaaaaatgga attctggagg 300
gacaattagc agcttcctta gcaagcaaag aagccgcaga gaaaagtgtg gcatctgttc 360
tcaaaagtag acaggaaatg gagaggaaat tggcgggaatc acataaggag atggaattga 420
tgagagagaa gctgaccagt ctagagttgg ccaggaaga ggccaacaac ctatcaacat 480
tgtgcactct gacaatgtac ggcttgagca tgatgtggcc ttcctcaggg ctgnttagat 540
gatacacaga aggagttgca ctcaacaaga ggagttattg cacgagaaag ag 592

<210> 12253
<211> 535
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220138h11a1

<400> 12253

ccgacacacc gcaggaccat gatgtcgtec tgtgatgtct tcaagctcca aacgtgtgtc 60
taagtgtctc atttttgtgt tcctggcttc cctacacttt ggatccaacg ctcaactctt 120
accacaagat gaaggtactt aattattttc cattttatct ttatcttatg ggttttcatg 180
tgttaatcat gtgcgtgttg gaaatttcac ttttgtaact tccaaaacta taaactgaaa 240
ctgtcttttt gggtttaaca ccaacttcac aaagtttcaa ctttatccgt tttagtgcaa 300
acccatcttc cagaatttag ttcttcaact tgcattgctg cttctgtcac aagatccata 360
aggaaatcgc caatgtcggt ttttttttgt tcctgtcttc ttccgtttac atttaattag 420
tttttttaag aagttctgca tctaacttgc tcaaaaataa aaataaatga aattttttct 480
atttttttta aaattttctg ggattatttt ggggtcccagt gattggaata gagag 535

<210> 12254
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220138h12a1

<400> 12254

atatcccccc ctagctacag agcagcttaa ggggtggaat aataataagc ctatattgga 60
aggccggaaa aataaaaaag gaataacaaa aatgtctgga aaggtaatta tctcggctgt 120
ttctctcatc ctgggtggtg gagtggccat aggtgtggtg gtggccgtca acaagaaggg 180
cgaggatccc acatttcaat ctcaacaaaa atcagtaggg gttatctgcc aaaacactga 240
tgaccagaag ctctgccacg aaaccctaag ctccgtgaag ggcatggaca ccgctgatcc 300
aaaggcttac atcgccaagg cggtgaaagc caccatggac agcgtgacca gggccttcaa 360
catgagtgat aggctcagta ccgagtacgg aggcaacgat aaccgaacca agatggcctt 420
tgatgattgc aaggacctct tgcaatccgc tatcgagagc ctccaactca gcattgacat 480
tggttcacaa c 491

051306

<400>	12255
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<210>	12256
<211>	511
<212>	DNA
<213>	Glycine max

<400>	12256
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5612

attcataaaa aggagtaaca ttgtggattt caattcatta tcattctatt atacctcctc 420
aacctcttcc catgtatcat tttttttttc atgtcccgcc caaggtacta ctatcaaaaa 480
cccatgaaa actggtgctt actcaacttt a 511

<210> 12257
<211> 87
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139a03d1

<400> 12257

gaaacaaaaa ttttggcatt ttaaaaacca ccaaaagaac aggggaaaag gggaaaatat 60
aaagccgcaa acgcccgcac gcccaaa 87

<210> 12258
<211> 350
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139a04d1

<400> 12258

atggaaaagt ttttaagattt tattaaacca aaaaaaaacc aggggcaagg gggaacatta 60
aaaccaaaaa caccacaaaa ccccaaaacc ccaccacaac caaccagggg gaaaagacag 120
aatgaccgtc cccaagagca cagccttaga aaagacaaaa aaaagacgct acaaccaaca 180
acccacacca aggccaaaca cgagcaaaac ccccgagag aaaaaacagc cacaacatat 240
cgaggccaca cacagcaacg aaacacacct ggggccgaag caaacaacc aagactccca 300
gttgctcaag aacggagacg aggtcgcgac caaaaaaacc cagattccac 350

<210> 12259
<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139a05d1

<400> 12259

gnnannanaa aaaaaaaac agggaaaagg ggnannnnnn nanncgggga ggcccaaagg 60

ccccaagacc ccaccacacc caaacagggg aaaaagacag aaagaccgcc ccaataacca 120
 caccctaagg aaaaaaaga caaagacgca tcattccaaca agccccacca tggacaaaca 180
 cttctaaacc cccattacaa acaatcctga caca 214

<210> 12260
 <211> 297
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139a06d1

<400> 12260

aacaaaaaac taaacaaaaa ggggaaatgg gaaaacaaaa aacagcaaaa acccaaaaaac 60
 caaaaaaanaa aaaaaaaca caaatccaa acaaaggaaa agaaggaaa aactctccca 120
 ataaccacaa cctttggcaa aaaaagaaaa agatgcttca acaaaaaacc cccatcaagg 180
 acaaactgta gcaaactccc attatagaaa aaccagtcag aaaataagga gtccacaaaa 240
 agaagggcag ccacttgggg ctgaagcaaa gaaaaaaga ctcccagcag aacaaga 297

<210> 12261
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139a07d1

<400> 12261

aacaaaaaat tattctaaaa aaggaaatgt gtaaacatta aatattaaaa cccccaaat 60
 ccaaatacaa ttatataatt aattatcaaa acatatgtaa attatttaat aattttccat 120
 attatcatta tttttttttt gacataaaaa taattttttt tgttacaact catattataa 180
 aaaaaaatta ttaaattcccc atttataat 209

<210> 12262
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139a08d1

<400> 12262

atatcaatac attttttaat ttaggggcct tgtgaaattc taatgttcga aaacccacac 60
 cccaatatac ttttttttca ttactattag gaccatggat agtataccag ataacactca 120
 ttctgtttac tactttttatt atattccaag ccttatgatt actatgactc tgctattaac 180
 aagcaatctt atgagtattc tgggtgtggc tattaagggtg gctacaacaa aacttcttat 240
 actagtg 247

<210> 12263
 <211> 133
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139a09d1

<400> 12263
 ggggagcaaa ctcatccaac aggggcaccg ggagaacaaa aaaaagaaaa aacccaaca 60
 cccaaaaacc caaaaaccct accccaccca accagagcaa aaataaggaa ggacttttct 120
 aatcaccaca acc 133

<210> 12264
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139a10a1

<400> 12264
 ggaaatgaaa ggaaattttc aaaaatttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg 60
 aagggcgccc gctcgcgatc taaaactagc ggctcgagga agatctccat tctctttatc 120
 acaatctttt cttgtggttt tcttggaat gttgtttcaa atgctagtcc tcttccatat 180
 gaagctattt ttaactttgg tgactctata agtgatactg gaaatgctgc tcataaccac 240
 ccacctatgc ctggcaatag tccttatggt tcaacatact ttaaacaatcc ttctggacgt 300
 atgtcaaag gacgactaat catagatttt atagccgagg catatgggat gccaatgttg 360
 ccagcctatt tgaatctcac caaaggacaa gacattaaga aaggagtga ttttgcatac 420
 gctggttcaa ctgcacttga taagg 445

<210> 12265
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139a10d1

<400> 12265

caatatattg ttcatgttta tgggataacg gtacaatgga ttcaagatga aaatcttgaa 60
 acataatcct ttgtttcact tcattttcat ttcggtccca ttatcctcaa tattattcca 120
 aaacatacaa attataatac acaatagtta ataatatatt gcccatcatg gaatacaaga 180
 tgcttgtttt agcaacactt tgcttatgtc atccatgtta caaatataca catgaaacat 240
 atggagaaaa gcttattctt gctcatttcc atccatgctt aaattctaag ctatcttgaa 300
 aggaggggat ctgagagatg gattagcgaa agggccctca actagtcctt tagctattag 360
 cctat 365

<210> 12266
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220139a11a1

<400> 12266

ccatttccat aatcactttt tctattttt ttctccatcc atcccttgac taattaatta 60
 tccctcacia ctaccaatgg ccgaagagaa acaccacaag caccgctct tccaccacca 120
 caaggacgag gataataagc cagtagaaac cgatactggt tacgacaaca catcatattc 180
 caagccttct gatgactatg actctggttt caacaagcca tcgtatgagt cttctggcgg 240
 tggctatgaa ggtggttaca aaaaaacatc ttattctagt gatgagccag cttctggtgg 300
 tggctatgaa ggctgggtac aagaaaacag gttattctgg tggcattgat gagacttctg 360
 gtggctatgg cgctgggtgt ggggtggatac tctgacgtca ctgatgggtg gctacggcac 420
 accaagtgnn tggctatggc gccgctggtg gtggtnggtg tgtaccctga cactaccact 480
 g 481

<210> 12267

<211> 485
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139a11d1

 <400> 12267

 tncnntnnnn nnnnnnnnttt aacnctttcc atttgaggat atattatattt aggtacttga 60
 cacttaacac aatacacatg catatataga gcaacacatt tcaaggaaac attctccaaa 120
 ccatactgat ctcccaaaat aaactggaag atgattaact taaagacaca catatatata 180
 taagccaaaa gcatatatat atataagaca agtggaggga atacgctcat aattgggttg 240
 tcatgcttca gccaaagaga tgggtggagct tctttccatg agcttctctca tcttgctcct 300
 ttgcttccctt tttctcatga agctcatgga aggcaaacc accagatccc actgcagctg 360
 gtgctgcaac ctctcttct atcttggtgcc tgtgagcatg ctctgggtca ttctctgcct 420
 tgcgcttctc atgcaagggc gtaagcagca gcagatgcag cacctaactc accaaggtgc 480
 tcaag 485

<210> 12268
 <211> 557
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139a12a1

 <400> 12268

 gacaaaatga aagtccattt ggtccttttc ttgctcctaa ttcttgtcag cttcactagc 60
 aatgttaaca ctctctcaac caattccaaa tccaactctt caattcctca attaaccxaa 120
 cagaaaaggc ctgacaatga gacaatatat agagtatcaa agcagctatg ttgggggttg 180
 attgcagagt cactggagtt tgttcaggca caacttggtg agagcagcca agtgggaact 240
 cccactgatg tgggacttcc agctggagca atacgcgagg tgggtgggctg gtcaaaggaa 300
 agcagattgc aagctcgaac attctttccc agaagatggt ttcaagcttg gagagaacat 360
 ttattgnggt agtggctcgg cgtggacgcc aagtgatgct gtaagagcat gggctgatga 420
 agagaaatac tacacctacg ccactaatac ttgtgtgcca ggtcagatgt gtggccatta 480

cattcagata gtgtggaaga gcacctgaag aaatggatgt gctcgggtgc atgtgacgat 540
gaagatgtgt tcatgac 557

<210> 12269
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139a12d1

<400> 12269

tnnnnnnnnn nnnnnntttt ggggtttgat aaatatttta tttcactttg tatgagggct 60
caaagttaa cctcaggcaa cagatctcta actactgata ccctttaatt actttttggt 120
acttttatat attgacccaa gtactaacta attattaaag ccaatcccgt aattatccca 180
cttcccacaa gtatttacat atacactcgc acatactcac tcataaggac tgagaaacta 240
attcacactc acataagcta gcactattgt agtattatct aataccacta gagtttcaat 300
ttcgtacat gaattaatgc acacatagtt tataacaatt taataggggc gctctccgac 360
ataattgccc acgggatcat aattacaagt catgaacaca tcttcatcgt cacatgcaac 420
ccgagcacat ccaattcttc aggtgctctt ccacactatc tga 463

<210> 12270
<211> 611
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139b01d1

<400> 12270

tggattgaaa gtttagtata nctattaccg ggtagaccag cataactcgtc ggcggccgcc 60
cttttttttt tttttttgaa aacaacatat atatgttttc ccatatttat aagcacaatg 120
gtgttttggt gtaaggtcca tataagggct aacaaagtgt agtaatgtga caaatatttg 180
aattctgtta tgcttatctg aggaaaacaa aatgacagta actataagag gacttgcagt 240
gatttgaaac acaatattat ataaaattaa tcgcgtttga ttggagtagc ttgaactcga 300
agaggctgaa ctttctttaa tgttatcgca tattgctcct ccatgttcat gtgttctgga 360

attaacccat cagctagctt ccattcaaag ttgtgtacaa gggatgctac tattaaatgc 420
 attgtcctgt gagctaattg caatcctggg catatccttt taccagctcc aaagggatg 480
 agcttaaaat cgtgaccttt aaaatcaatc tcacatttca aaaatctttc gggcataaaa 540
 attgntggat tctcccaaatt ggttggatct cgtcccatgg cccacacatt gaccaagatt 600
 tgtgcatttt t 611

<210> 12271
 <211> 601
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139b02d1

<400> 12271
 aaacatggac ttgtaatttt aacttgcaaa tttccagttc aagaaaattg gatcacgttt 60
 actaggcaac atgaatcatt aaaacaaatc acaatatcac tatcaaaact aaatatgcta 120
 gtcaactgcg actaggacac ttgcttaacc gctgttgggc taatagtcac cagattccac 180
 agctaataag acagattgat ttaaaacat ctattttcaa attatatctc aagagtagca 240
 cggttggaag cagccaaccg caaaatactg aagcatcaa gccttgtaag gccgtataca 300
 agtacatcat gggcaccagc ggcaacaaat aactcttcac tgaataccac cccaagtaaa 360
 agcaaaataa ataccgaaat gaatatatgg taaacttgat gctgtcaatt atgcctcaaa 420
 gctgccactc cattaatttg ggcaggaatt cccgtcctca agtcaaaatt ggtacaaatt 480
 cacagaccag tgacttttcc cacagcaaca gtttttcctt cagtgcgaag agtgaacnnc 540
 tccagtgggg aaaatcagag acttctcatg caaaagagtt attacctgac acggacatac 600
 a 601

<210> 12272
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139b03d1

<400> 12272
 gaaacaaaa cttttagatt ttactcacca aaaaacagac cgggggaaag gggggacttt 60

cactacgcaa acggcaacat acccacacat cccaccacct ccaaccaagc gaaacatgcg 120
 acataacccc ccctaggaca acagcctaac cgttgacggg ccaaagatgc tcaaacttaa 180
 caccccaatc aacagcaaga ccgaccaccc gcgctttaca aacaactacc gcaagagcat 240
 cacgagggca cgcaaacaac cgcaaacacc tggagctgcc acaa 284

<210> 12273
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139b04d1

<400> 12273
 gggggaaaaa ttttgagatt ttattaaaca aaaaaangcc cgggggaaag gggaaacatc 60
 aaagccgcaa acgcccacac accaaaagac aacaccaccc ccaaacaggg ggaccagatg 120
 gcaggaacct tccccatgag gacaacctta gggaggacga gacaaagatg catcaccccta 180
 caacacccat caatagcaaa caagaccaa ccccccgac agacacaccc gacacaccca 240
 atccgaccca ccaagagaag ggcaaccacc cggggccgct gcaaa 285

<210> 12274
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139b05d1

<400> 12274
 gccccacac caccagggga attcccattt tatnncatc acaggataac cagcacaccc 60
 atcggcggcc gccctttttt tttttttttt aaaaaaaat tttaacaata tatncacaa 120
 acaaacaaaa ggggaaaaag ggaaaaataa aaacctataa caccaaaaaa ccccaaaaca 180
 ccacaaaaac caaacaagag aacaatacag aaaaacgcac caaaaaaaca ccccttttaa 240
 taataaaaaa caaaaaatct tcaaacaaaa acccccacca agaac 285

<210> 12275
 <211> 260

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139b06d1

<400> 12275

aatataaaaa tataagaaaa aaataaacia aaaggagcaa gtggaaaaca aaaaaaagaa 60
 aaacccccaa aaacaaaaaa caaaaaaaaa acaaaaaaaaa aaaacaagag aaaaagaaaa 120
 aataactctc caaaaaagaa aaacctaaga taagaaaaaa aaaagaagct acaacaaaaa 180
 aaccacaaca aggacaaaca ggagcaaaac cctaatagaa aaacaccaga cacaacaaaa 240
 cgattccaca aaaagaaaaa 260

<210> 12276
 <211> 174
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139b07d1

<400> 12276

agccccaatc ccatattcat gcatgcatcc tcggaacanc agctactagt cgaggaccgc 60
 cctaaatttt catttttttt tatataattt ttctaaaaaa agtaatctaa aataggaaac 120
 tggtaaca ttttaaacca aaaccccccc caaaccccta taaacccccca aaat 174

<210> 12277
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139b08d1

<400> 12277

taaccttttt aactagatta taaaatttta acaagacaag aacaccaaag ggggacgggg 60
 aaaaaccata acaggagaca accctgacac ccaacaact aacataccta gctatgggat 120
 gcaaaggaca gagaaggaca taaaacaaca ggagctgtta ctgcactaaa gacagttgct 180
 gggaacaggc taccaagcca cacgcctata caatggaagg gatggccatc gccacattct 240
 tctcagacat ccaaaaggca cacagattgc ctgaaaagac tatagcactg gtgactgagc 300

aggacacagc attc

314

<210> 12278
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139b09d1

<400> 12278

aacaacaaat caaaccaaca gggggccccg ggaaacacaa aacagcaaaa cccccaacac 60
ccaaaaaacc caaaacccca ccacccccaa ccaaaccaaa ccgaaggaat gaccctcccc 120
aagaccacac ccttagggaa cacaagacaa agacgcaaca accaacaacc cccaacaagg 180
ccaaactcgc cgaaaccccc cggggagtca ctcccgccac agcatagcga ctcc 234

<210> 12279
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139b10a1

<400> 12279

gaaacatgca gagactatac aactttttcg cattttcgct atcaaccacc ggaaaagggg 60
gggggggtgca ccgatactaa acctcccgcg ttgaacgtga gatattctatc aatattatcc 120
cctctctcag tgggtcggat ctgcacaaat ccggaacgaa cgctattgct agacaatctg 180
gagctgactc ttcatgtggc gaccaagcac taaactcact gaatgctgac cacaatcatg 240
aagcacagtc ttcatgcaca tttgaaccgg ctacaaactt aacttgtca 289

<210> 12280
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220139b10d1

<400> 12280

aacaacaaat ccatccaaca gggggccggg ggcaacacaa acccgcgag cccccaacac 60
ccccatacc taaaaccctc cctcaccac cccggcccag aacacggaat gacngtccca 120

atcagcacc cctttgacaa cacacgcaa agacgcaaca cccaaccagc cccaccaagg 180
gcaaacaccc gcacaacccc ct 202

<210> 12281
<211> 440
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139b11a1

<400> 12281

ggcatatcaa ccgcgttaac tatatgttgc gttctgtata tgcttgtagc agcagttatt 60
gttggttag taccatatta tgagttgaac cctgataccc caatctctc agcattttct 120
agctatggga tgcaatgggc agtgtaaggt atataataac aactggagct gttactgctc 180
tttttgccag tttgctgggt tctgtgcttc ctgagccagc cgtctttatg gcaatggcta 240
gggatggttt attgcctcat ttcttctcag acatccataa aggcacacag attcctttga 300
aaagcactat tgactgggt gtctttgcag ctactcttgc attcttttgg gacgtttctc 360
aattacaggg atggttaggt gtgggaacac tgcttgcatt taccactgtt gcagtttcag 420
ttttgataat cagatatgtg 440

<210> 12282
<211> 537
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220139b11d1

<400> 12282

nnnnnnnnnn nnnnaatatt ccngngttca tggtgnttag tatttcgtga gtatgttgac 60
tatacatggt taatgcctca tagggagaag tttgtaaaag gatggactca tccggttatg 120
gccacttggt taaataaaca aataaataat catagtaatc atccgtctga tagcggaag 180
aaagcattgg tttagaatag gatatttaca aattggtgta agccatgtaa tgtaatatgt 240
cacaattatg taacaaatgg atatagacct gaagtgtggt aactttggta gctgccgtgc 300
aaatactagg caagatgact tgcttgagat cgatggattt catcagcata tgctgaggga 360

acatagattg catgcaacag tgagctgtga gtgcggccat agaacaagta tacaagttct 420
 cctatcaaca tccataccga aactcgcagc catgtagcaa ctccaagatc gattagtaag 480
 tagggtgttt ataagaatac atgcagcagg taaagaatgg aacaaatggg caggcaa 537

<210> 12283
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139b12a1

<400> 12283

cagctcacta acaccagcta ctactttttc cccccacccc ccactctctc acaaaatgtg 60
 ccagggcctc tccgccccat cgccgcctg ttcggcgctt ctctccttca cgctcctcct 120
 cctcctcctc tcggtggtgg gcccggtttc ggcatggcgg ccttggtccc agagcaacaa 180
 aatgaacatc agcgattatg ccttcgggga ctccaagaaa tacgaggggt cctcggagtt 240
 cgtgaagctg aggtaccaca tgggaccggt cctgactacc aacatcacg tccacaccat 300
 ctggtacggc aagtgggagc ggagccagaa gaagatcatc cgcgagttca taaattcaat 360
 ctccgcgcg aactcgcgc acccctcctt ggccggatgg tggcgcacg tgcagctcta 420
 cacggaccaa accggcgcca acatttncaa atcgggttca ctcggcgagg agaagaacga 480
 ccggttctat tcccacggca natcactgac ccg 513

<210> 12284
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139b12d1

<400> 12284

atcaataact ttaaaattac attatttgca ttagggaaca aggttaacta acttaacaaa 60
 attaccagac tcccacagaa gcacaagacc aaaccaaga aagaaagaaa aatctagcac 120
 attgactgag gagatgatca gtgatcaagc gcattaggtc cagtacagta attgagaacg 180
 tgactccaca gccactgaac aaggaatttc cgtctgatcc cattcatggt ataggtggcg 240
 ccactctcag cgtcgaaaac ctgaccggtg taggatccac cgccaccggt gccgtaaata 300

ccctcacaga gatcggcaat ctcgacgggg aaagaggggt cctgacccgc ataccaagca 360
 ttgcgcaacg gggtcgttgc cagttcagcc atctcgtgtc caatcacac 409

<210> 12285
 <211> 137
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139c01d1

<400> 12285

cttaaataat ctgatattat tgaaaacatg gggcaacaaa ttcaatatga acaatataca 60
 tgaatataag aaatatatgt aagtacacgc atggtcagtt catatccgaa gggtcctaac 120
 caaccacaaa acggtcg 137

<210> 12286
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139c02d1

<400> 12286

gggacaccaa aattgcacgg ggaaaggggg aagttaaaca tcacgagcat cattataacc 60
 atatagaata caacttcgca cagggcaggg ggggccatat atgggctctt gggaccaaac 120
 aaggggggca ttaaaatatt agaccgcgga aggaaatgcc tcctgggacc ggtccctttc 180
 aaactcacat caagaccctt aaaaacccgg gaggggaata agaataggag ctggtttgcc 240
 atatttgggg ggactgctta ggggggtggg tttgagagcc agcaaggag gctccccttg 300
 gattctgctg ctgatgttcc agagaaatcc cagactgaga atggtacaag gtaggggtatc 360
 caagggaccc caaatgttgt tgtgagggct 390

<210> 12287
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139c03d1

<400> 12287

gcccacacga nnnacagcgg gaagctttan natgcangct aataccagaa ataaccagca 60

cactcatcgg cggccgccct tttttttttt ttttttaata aaaattttta gattttaccc 120

aacaaaaaaaa aaacangggg caaggggaaa tttttaaacc acaaacgcaa aaatacccaa 180

acataccacc aaaaataaac aagtgttaaca tacaacaata actttcccta ataccacaac 240

ctttgctttg ataacataaa catgctttta aataaaaccc acaccaagaa caaaacccac 300

cacaccgcga ttacaaaaaa accagacaca atttaatgat tctacaaaaa taaacaaaac 360

aatcttgtgc tcattcaaaa aaaaaaacgt ctctataaat gaccaagaaa agtgaacctt 420

ctacaac 427

<210> 12288

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220139c04d1

<400> 12288

atcaaacaaa aaaagggacg gggacaaggg gaaactgcaa acacgaagac ggccaaaaac 60

ccaaaaacac caccacaccc aaacaggggc aaaataagga agaaccctc catatcacca 120

cacccttagg ggggacggga aaaaaaagca acaaccaaag aggcaaacca aggacaaaca 180

ggagcaaaac cccatgaaaa acaaaccgga cacaacatag cgagtcccca aagagtaggg 240

cagcaacgtg gggcc 255

<210> 12289

<211> 117

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220139c05d1

<400> 12289

aaaattggag tgaattcaga gtcnatgtgt gctgctttgc atgaatgcgt acggtacgac 60

tcaggattac tagttcgagg accgcccttt tttttttttt tttttatatt tattttt 117

<210> 12290
 <211> 217
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220139c06d1

 <400> 12290

 ctattataat tttaaccaa acctaaacca aaaaggggtc cttgggaaat actaaagccc 60
 aaaaccccc accacaaaca ccgtctcttc catcaccaca ctgacaagga taataaatca 120
 aaaaaaacg atactgacta ctacaacaca tcatattcca agcctactga ttactataac 180
 tctcatatta acaagcacat catatgattc ttctctcc 217

<210> 12291
 <211> 202
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220139c07d1

 <400> 12291

 ttacattttt tttttttatc ttacctttac ccaccacttt ataacaaaag gggccagggg 60
 gtatcaaaaa aatctcaacc ccccaaaatc ctaatatcct aaaaactcct catacccatc 120
 caatcggaga tgatcccata accttcatga tgaccactgc cttagattaa caaaataaac 180
 aatctttctt ataacaaccc cc 202

<210> 12292
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139c08d1

 <400> 12292

 ataacaaaaa attattcaaa aagggggaag ggggaaacaa taaaaaggaa aaacccaag 60
 acccaaaaac cccaaaatca aaccttcaac cactaaaaag cacataatta aataaccctc 120
 tcccactaaa aaccttttta atatacatga taaaaaattt attccctaac tccctcacac 180
 acgaacaaac ttncttacia tctctcagta ataaaatgga atcccaaaaa ctgtatctca 240

caaagcttga cggacctaac tgtgatggg

269

<210> 12293
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139c09d1

<400> 12293

tnnnnttggt gttttggttt tgggatttta ggaaacaaaa aaacaaacgg gggcccgggg 60
gaaacaaaag aacgaaaaac ccccaacacc caaacaccaa aaaaccccc caaacccaac 120
caggggggga aaacacaaca acgcgcccgg aggccaccgc ctgagggaag acgggacaaa 180
gatgctacaa cgcacaagcc cgcccaagga caaaccccc caaactcccc tggcagaatc 240
tcccgc 246

<210> 12294
<211> 329
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139c10a1

<400> 12294

gaaacatgct aagactaaac aactttttcg catttacgct atcaaccacc ggaaaaggga 60
agtttctgca ccgaaactaa acctcccgca ttgaacatag cctatctatc aatatcaaca 120
gctctagcag tgatcaggat ctgctcagaa cctgaatgaa ccctattgca agacaatcta 180
cgacctgaat cttaattggc ggcccaagca caaaactaac taaatcctga ccacagtcac 240
gaagcacagt cgatcatgctc attaggaccg gataccaact taacttgtca atgggggaga 300
acaaacttct cacgtggcac aaatacaaa 329

<210> 12295
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139c10d1

<400> 12295

aacaaaatat tattcaaaaa ggggccccgg gtaaacta aaaagcaaaa acacaaacac 60
 ccaaatacca taacatccta cctaatecaa ccatattaaa attatttaaat aaccttcctt 120
 attttaaccc cctttgacat gaaaaataat taattctatt aactctacaa ccccatcaa 180
 taacaaactc tttcaaatcc cccttaaaga cattcctctc tcaatatatc tatttctc 238

<210> 12296
 <211> 578
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220139c11a1

<400> 12296
 cgagtcggtt tgattgtgaa gtgagttccg attgagcacg tcttggaggc aacgacgtct 60
 acggcagctc ctggttggtg gttaagtcgc ttgtcctttc agtccctcga tgagtccgcc 120
 aaccctaaaa aagcacttct tagttctccc tctccacta aaaaccatag taatctagat 180
 aataattaac atcagccctc actccttcgc acaccaaacc ctctcttctt atctctcact 240
 aatctaattg aatccgcagc actgtcgcgc ataggcctgg cgggcctggc ggtgatgggc 300
 caaaacctag ccctaaacat cgcagaaaaag gggttcccga tctccgtgta caaccgcagc 360
 gctccaaaag tggaccagac cgtagtatcg tgcccgaac gagggctccc tccctctcac 420
 gggccaatac acccctcgcg acttcgttct ctccctccag cgccccagat cgtcatcat 480
 cctcgtcaag ccggctcccc agtcgaccac accatcgncg ncctcttcga ccacctngac 540
 cccggcgact gcatcatcga cggcgggaac gagtggta 578

<210> 12297
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220139c11d1

<400> 12297
 ttttattttt tttttttttt ttttttttgg aagccaaatg acatgccttg ggtttatgga 60
 gattaataaac agttatagca agaaaacaat agctgctctc tccctaccaa agatcctcaa 120

agaaacaaac aattacaact caaatgctgc actgcaatgc acgaccatta aacaaacaac 180
 caaaacccaa aatcaatcaa ttgagtgcac caactccagc cccactattg cgagcgagtt 240
 tcgtccactc ggtatgaaaa gccccagggc gatcaaccct ctcgtaagta tgcgccccaa 300
 acaagtcctt ctgagcctgg acaaggtttg ccggaagtct tgccctccga taggtatcaa 360
 agtaagcaag actggcacac attccgggag tactaatccc agccgaaacc gtcaacccca 420
 caaccctnct ccacgcagcc tgtctctgca ccatttcctt tgaaactccg ggtccacaat 480
 caaactcg 488

<210> 12298
 <211> 542
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139c12a1
 <400> 12298

gattccacaa cagtgggagg gagattcaaa aagagagagt ggaaaagatg gcgcggttga 60
 tcacagtggg gtggtgcgcg gtggcggtgc tattatgcgc cgcggccggg gcgtcgtggg 120
 tggaggaggc ggcgaacccg atacgaatgg tgtctggcgt ggaggcggag gtggttcggg 180
 tgatcgggga gtgccggcgt gcgttgaagt ttgctagggt cgtgagcagg ttcgggaaga 240
 gttaccaaag cgaggaagag atgaaggaga ggtacgagat attctcgcag aatctcaggt 300
 tcatccgctc ccacaacaag aagcgtttgc cctatactct ctctgttaat cattttgctg 360
 attggacttg ggaggagtgc aaaagacaca gactaggagc tgcccaaat tgctctgcca 420
 ctcttaacgg caaccacaag ctcaccgatg ctgttcttcc tccaacgaaa gactggagaa 480
 agaaggtata gtgagttcag taaagatcag gcagtgcgga tcatgctgga cattcgcaca 540
 ct 542

<210> 12299
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139c12d1
 <400> 12299

cgaagtttta agtaacttag gacagaactt aaaaaaaaaa aactaggtaa aatgagagta 180
gataacttgg tacattatgt cacttagcac ttaacctcct ttaaggcata tgcaaagtat 240
aagaatgttg gatcagcagc accatccttg tagtatgcaa agaccaagca agcatcatca 300
ttcatgctct ccccaacaaa aaactggaaa tccttaatct tagagagcag gtatttagtt 360
gctccctcaa tgtgcttctt aaacaactct tgtttctctg catcgagctt gggagtcaaa 420
ttcttgataa acctcttcat gaaggtaaca aactgtttct tatcaaaagc gggttgctcc 480
tgaagtctga atgtatcaac aatgtcaaca accttaaca 519

<210> 12302
<211> 297
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139d03d1
<400> 12302

gcaccccagg ggccgggcct ttttcatttg catntcatcc aaaaataccc ggagacccca 60
cgggggccgg cctttttttt ggattttttac accaaaattt tgccattatt ttcaacacaa 120
aaaaaacccg gggcaagggg ggaattttaa aacacaaaag cccaaaaacc ccaacatacc 180
cccactccca aacaagagga gcatacaca agaccttcca aaaaaaaca acctttggtt 240
cgacaacacc aagaagcatt aacatacaac ccacaccaag aacaaaacag gccagaa 297

<210> 12303
<211> 200
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139d04d1
<400> 12303

annaaacaaa aaaannaaag gggaaaaggg aaaaatttaa aaacacaaac acccaaacc 60
cccaaaacc caccacacc aaccaaan nn aacagaaaga aaagacggcc cacatcagca 120
ccccatagg gaggacacc caaagatgct acaacaaaca accccaaca agaccaaacc 180
ccagaaaacc cccctgacag 200

<210> 12304
<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d05d1

<400> 12304

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gccgctctta atctagaact cccccctcgc ggaagatctc cattctcttt atcacaatct 120
tttcttggtg ttatcttgga aatgttggtt caaatgctag tcctcttcca tatgaagcta 180
tttttaactt tgggtgactct ataagtgata ctggaaatgc tggtcataac caccacaccta 240
tgcctggcaa cagtccttat ggttcaacat actttacaca tccttctgga cgttatgaaa 300
ctggacgact aatcatagat tttatagccg aggcatatgg gacgccaatt ttgccagcct 360
attagaattt caccacagga catgacatta agaatggagt gaattttgca tacc 414

<210> 12305
<211> 155
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d07d1

<400> 12305

aacaaaaaat ttttcaaaat ggggcactgt taaaacaata aaacgttaaa cccccaataa 60
caaaatacaa aaaaatactt aataatccat aaatataaaa aatataaaat aactttctat 120
ataaaaaaaa tctttgatat gaaaaaataa aaatt 155

<210> 12306
<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d08d1

<400> 12306

aaaatgaggc ccttttaaac aaaaaaattt aaacccaac aaaataaaca aaaaaattat 60
aatattccaa caaacatata tatgtataac tttcaaataa taaattcttt attttaaaat 120

002220" E T F E S 60

tataaattca ttttttaaaa ccccatctt ggacaaacaa aataaatccc cttataaaca 180
ttctttttca atttatttat 200

<210> 12307
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d09d1

<400> 12307

aacaaaaaat taatcaaaaa ggggcacagg gaaaacacaa aacaggggaa ccgcaaacac 60
ccaaaaacca aaaaacccca ccacccccaa ccaaacgcag aggaacaat aaccccccca 120
ataagcacac cctgagagag gaaaacacaa aaacgctacg gccgaacacc cccatcatgg 180
ccaaaccccc ccaaaccccc ctgacagaca ccccc 215

<210> 12308
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d10a1

<400> 12308

gaaacatgtt aagactaaag aactatgtcg cattttcgcc agcaaccacc gaaaagggga 60
agtgtgtgaa cagaaactac accttcccc ttgaatatgg cttatctttg aatatcaacc 120
gctctcgcag tgagccagac atgctcagca ctgcattgaa ccctatctgc ccgacaccta 180
tgaagtgaat ccattctggc gacccacgca ccaacataac taattccaga ctacaatcct 240
taagaacagt gatcatgcac attggcaccg gataccaact taac 284

<210> 12309
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d10d1

<400> 12309

accgggggga agtgtgaaac tttaaaaacc aaaaccccgaa aaacccccac acaagtcata 60

002220" E T T E S 60

ctatagtaaa taatttcata cagaagaaat tactaaatta aaaaaaactt tggtttaaca 120
acaaaaaaaa tcattaacat acaaccacaca acaagaacaa aacaaaccaa aaagcca 177

<210> 12310
<211> 298
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d11a1

<400> 12310

gaaccatgct aagactatag aacttttttcg cacttacgct atcaacaacc ggaaaagtga 60
agtttctgac ccggaactaa tcctcccaca ctaaataagg cctatcttac aatggttatcc 120
gctctagcag tgacgcagac ttgctcagga cagcatcgaa ccctattgca agctaatacat 180
ggctctgactc ataattggcg gcctacgcac catactgact aatctctgac cacagtctat 240
aaccttagtc gtcgtgctca ttggcaccgg ctaccaactt aacttctcga tgggggag 298

<210> 12311
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139d11d1

<400> 12311

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ccaaaaacca aaagacccca ccacacccaa cccgggcaag aagaaggaat aagggtccca 120
atcaccaccc ccttagacaa gacgggaaag agaaggtaca gccaacaacc cccaccatgg 180
gcaaaccgga ggaaaccccc cagagagaca caccgcag accaggggga ctccccccag 240
ggcgccgcag ccccgggggg cccctgcaac caaaccacgn ctcccacat 289

<210> 12312
<211> 445
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139d12a1

<400> 12312
aagagcttcc gtggcagtgg tagtttccaa actagtagca agaagtaagt cacgtgtttc 60
tccgttttca ttcatacacia tattaaagct cttagtttcc ttcagtatgg gggacactta 120
cgtttttgcc acaccgaagc gcagccgttc cgatgacgtg gacggcggcg aggccaacaa 180
gctgctgctg cagcagggcg aggcagaccc ggcggcggcg ctggcgagcg cgcggcacga 240
gttctgggag cacggaggtg tgaacatgtc gatcgaggcg tcggcgacat tcacggcgat 300
ggagccggac accatgcggc gcatgttcgg cggagaactc ggccccgacc gcgacttctt 360
catatacagc cgtcactatc acccgacggg gctgagcctc agtcgcctca tggtcgcctt 420
cgaggcaccg atgccgccta ctgca 445

<210> 12313
<211> 347
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220139d12d1

<400> 12313
gattagaaac ttttgacaca tattcatatc catggggcag gagggacgat cgagtagcaa 60
gacaagacat aaagctgagc ataaattatt attatagata acataacatt atgggagcag 120
gaagaagacg aggggtgcatg tgcattgtgc tgatgagaaa agcaattcag gcgatcttgc 180
tgtatccaga gtcgttttagt ctagtgagcg ccttttgagg ctggctccac ttctgctcca 240
aggggtccat gtaccaatc gacatcctca cgagccccgg cgagattccg gcgagctcct 300
tctcctcaga gctgagttca ctgctggtgc tgctgccgga gcaggac 347

<210> 12314
<211> 496
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220139e01d1

<400> 12314
aaattaatag ttcattggaa attcacggta tatgtgctaa tcgaaagcaa atattctttt 60
cactggaggg aaacacacaa gtagagatac tgaacttcac agaattcatt atactgtata 120

gtacaaacta aacactggta actacaaaga acacgaccaa tatcacaccc agatattgta 180
agagaaaaat gaggatagac aaaaagaata tgctgagcca cattgtgaag tgacagacat 240
tatagaagcc cggagcaaaa tcctgaggag aaagtctcac ttatgcccc ggaaatacat 300
gtatattttc tgaagcacc aaagcttag aagagcctcc aagcaaaaca tgccaaatcc 360
aatcaaatag aatatctgca tgaatagaaa acattgtatg gatccaaaca agtcagaaca 420
gggaaaaggg tatgaaactt gagatttcct agtgctttaa actaaaattc caaaataaca 480
aagggttagg aaattt 496

<210> 12315
<211> 621
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139e02d1
<400> 12315

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ngtanancna atnnnangga tagaccgca aaaccatcgg cggncgcct tttttttttt 120
tttttcatac agctgttgaa gtttcgccgt aaaactaagc aaaaaaggga agtacaagta 180
atttcacaaa gtatcttatt atcgccacca aaaaagcaag cgcaggggac ttcttaattc 240
ccagctatca taaaaattta acagactccg actaatctag agctcatcgt gagaatcgtc 300
ctcgtcttct tcgctgatg caccaccacc gcttggggct cctccagatc tctgatacac 360
agcactaatg attgggttgc aaacggcttc aacctcctc agcttctctt cataatcttc 420
tttctccata ctctggttgt catccagcca ttccagtgt tctttcacag cagtctcaat 480
tttctccttt tcatcagact ccaacttgtc agcgagcttg tccttgacac tgatctggtt 540
cttcatgttg tatacatagg tttcaagact gttgcgagca tcgacccctt ccttcacctt 600
cttgtcttcc tctgcaaact c 621

<210> 12316
<211> 614
<212> DNA
<213> Glycine max
<223> unsure at all n locations

[illegible]

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naaggtagac	gcgacacccg	tgggcggccg	ccctttttttt	tttttttttta	acaaaatcat	120
ttggggcttta	gggattcaac	acagcttcac	gggcaaacgg	gaatgttgat	actattacac	180
aatatgtaag	cctttatgta	ttcaggacaa	gcagcattct	tttacaagaa	taataactat	240
catttttaaag	gttatgaatg	aagagtatca	gcatactaaa	ctacatattg	ggtaaataaa	300
ttcattttcc	aacacactaa	caaattggagt	tgcttgagta	ctaactagtg	atcctgtgga	360
aacaaaccac	agctccatgc	ctcttgtaga	aaacagggaa	tgaggtgtct	ataggactaa	420
acaacaacac	cttgagtata	tgattttatgg	gagctctgat	ggagagatta	atgatcctat	480
atgcattttat	tatcagggtga	tgggattttca	aagactacgt	tgctctttca	taaccacctc	540
caacctgcat	atgtaaccat	tctggcgatg	aacctcggct	atactctctt	gtagcttggg	600
aagcaaacgg	catg					614

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<223>      unsure at all n locations
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ggacaggggn	aactaacnnn	acaaaaaacac	caaaaccccc	caaaaccca	ccagccacac	120
ccaggaagaa	cgaacaaaac	aaccccccca	atgaggagaa	cctcagggag	gaaaagcaaa	180
agacgcaaca	acagaaaagc	caaaggaagg	ccaaaaccac	g		221

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<223>      Clone ID: jC-gmf102220139e05d1
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5638

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 aaccccaaat accaaataaa aaaaatacct taataatcaa aaaaatcaca aaacacaaaa 120
 aaaaagtttc aaataagaac atactttatt tataacaaga aaaagatgat ttttcataaa 180
 tgcctaatta aggaaaa 197

<210> 12319
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139e06d1

<400> 12319

aacaaaaaag aattcaaaaa tgggtactgg taaaacatta aaacttaaaa accccaaaat 60
 caaaaaataa ataaataatt cctccaacaa acaaaaagaa cttacaaaat tacccttcta 120
 aattaaaaac cattttaatc taaataataa tcaacattaa ccctaactcc ttctcatacc 180
 acaaacttac ttactatctc atactaa 207

<210> 12320
 <211> 199
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139e07d1

<400> 12320

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 aaaaaccca aaacaaaaaa aaaaaaaaaa aacaaaaaaa ccaaaaaaaa gaagaagaca 120
 aaacgacact caaaaaaaga acaaccttaa ggaaaaaaa aaaaagatgc aacaagaaaa 180
 aacacacacc aaggccaaa 199

<210> 12321
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139e09a1

<400> 12321

caaacacgca aacactaaac aacctgtatg cactttcccc atccccaacc gaaaaaagg 60
 ggtttctgca ccgaaactaa acctcccgcc ccgcacatga gctaaccaac aacattaa 118

<210> 12322
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139e09d1

<400> 12322

aaacaaaaaa anaaacaaaa aggggcacgg ggagaacaaa aaaacgcaga accccaaca 60
 cccaaaaacc aaaagaccgg caagaacca accaggggga gcaggagggc aaaacggccc 120
 ctaagagcac ccctgaggc aggacgggac agaaatgcga caacagaaaa cccccacaa 180
 ggccaaaccg ccccaaagcc cccggacaga caaacgggtc agaacagggc gagtcccca 240
 agagagcggc cagaccggg gggc 264

<210> 12323
 <211> 317
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139e10a1

<400> 12323

gaaacacgca tagaaaaaag aacattttcg catttaagac agcaaccaac ggaaagggga 60
 aggggggggaa cagaaacggg accgcccggc ctgaacaagg cagaagcaac aacgtcaaca 120
 gctctcgag tgagccgat atgcacaaga ccgggaggaa ccctatagca agacaagcag 180
 gaacagacac ataagtggcg gaccaagcac aaaactgacg ggatgctgac cacagtgaag 240
 aagaacagtc gacatgcaca ttaggaacgg ataccaactt aacggggcaa tgggggggaa 300
 caaacgtccg acgtggc 317

<210> 12324
 <211> 202
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139e10d1

<400> 12324

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agaccacaag aaaaacgaaa gggggaaggg ggacaaccta acacagcaag cccacaaata   60
accaaagaca acaatacccg cactaaccca accaagcata acatatatgg taactctccg  120
taacaccaga accttcatta agaacagtgg cacattcaaa gcccgagcca ccaaaccttg  180
agcagggggc tagaaacccg cc                                           202
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<210> 12325

<211> 461

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220139e11a1

<400> 12325

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tcccttcaga caaagggaca aaaaatcagt gtgtgagaga gagagagaga aattccaaaa  120
ccatgtccca cagtcattta agtttcgctt ttgggattct aggtaacatt gcctccttcg  180
tgtgctttct ggcaccacta ccaacatttt atagagtttg taagaagaaa tcaaccgaag  240
ggttccaatc aattccatat gtggctgcac tcttcagtgc aatgctttgg atcttttatg  300
cctatgtgaa gaccggagaa acgcttctta tcaccatcaa tgcattcggt tgcgtgattg  360
agacaattta ccttgccgta tttatcactt actgcccga gaaagctagg atgtcgacat  420
tgaggatgat tgttttgtta aattttgggg gattttgcac a                                           461
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<210> 12326

<211> 520

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220139e11d1

<400> 12326

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tccttttttt tttttttttt gagtangaat ggtgcttcac gcttggaata agcttttaca   60
ggtatagtcc atataataac aatacatcac catataggac tctctttcta tgaaattccc  120
tatatctagg ggcacaatta attagcgtgg gtaaacaat aacagaaatt acataaacag  180
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tgaacaaaa taagttaaaa taactgtaga gagagataga aatagctcgt ataggcaacg 240
 atatctacac cgtctctgcc tcttttcgca cgttctacta atttgacacg tgaaacatag 300
 agagatagag attgaggcat catcactgat cttccaattc catcgaactt cgcagactca 360
 ccctgtcctc tgatttggag atggatttga tgacgacgtt cttgatgagt tccgcttggt 420
 catgagcaac ttggttgacg atatgtggcg acacttaaga tggatgatctt gctcattatt 480
 ctcttctctg atctcaccaa tctctatata ttcacctga 520

<210> 12327
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139e12a1
 <400> 12327

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 tcggtgaacc ttaagtacgt gaaattgggt taccattatc tgataaacca tggcatatac 120
 ttgttcacca taccggttct tctcgtggtg ttagtgctg aggttggaag cctcagcaaa 180
 gaggacctat ggaagaagct ttgggaagac gcgcgttacg accttgctac ggttcttgct 240
 tcctttgggg tcttcgtttt caccttgtct gtctacttca tgtcgaggcc acgtccatt 300
 tacctcattg attttgcacg ttataaaccc gatgatgaac tcaagggtgc aaggagcag 360
 ttgatggagg tagcaagaaa atcaggcaag ttcgacgagg cgagtctgga gttccagaag 420
 aagatgctga tgtccttcgg aatcggcgac gagacctaca 460

<210> 12328
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139e12d1
 <400> 12328

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 gaaagtgtag aatttcaagc caggaataat taaatgagaa agaaacagaa aacagatgta 120
 acatttttga agaccaaatt agtactaccc ttattgatcc taaccatacc ctactgata 180

ataagattca taacactagt gccgtcaaat tctgcttcag ttgttgagag gtgcaggata 240
tctgttgatg caatcaagcc aagggttcct agaaggcttg gtgactcggc gcatggcgcg 300
ccaaaccaca ctgttgact tgaagccaga gccaaatgcg agttgccaaa cacggtctcc 360
tcttctaaca ctctcttttg cttccatgta agccaactca taccaaatgc tgctgctaga 420
ggtgttgcca aagcgatgca gcgtcattct agacgcttcg atgttcttgt cactcagttc 480
caagttcctt tgaagctcat caagaatggc cttgcttgca gcatgcacac aaaagtgtc 540
aaaagctagt ttgtagtcag gaatgt 566

<210> 12329
<211> 298
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220139f01a1
<400> 12329

cagaaaccaa ttacaaatta cactctttgc cttttacggt caacttaacc ttttctgctc 60
ataatcgtaa caacttgcta gaagaagata aagaaagaga aaaagtgtgt gtgtgtgaga 120
gagagcaatg gctggctcgt gggcacgccg ttctctgatt gatctggcta tcatttcctt 180
cggatgttta ttgcaattt ccattgctaa ggaggaagcc acaaaattgg ggacggctcat 240
agggatcgat cttggaacga cctatttatg cgttggtgtt tacaagaacg ggcatgtt 298

<210> 12330
<211> 299
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220139f01d1
<400> 12330

acattcagct ttagaagccc cgacgaaaac ctaagcgaaa aagggaagca caagtaaccc 60
caciaagaat cttatcatcg ccaccaaaaa agcaagcgca ggggaccctt aaattcccag 120
ctatcataaa aatttaacag actccgacta atctagagct catcgcgaga atcgccctcg 180
tcttcttcgc ctgatgcacc accaccgctt ggggctcttc cagatctctg atacacagca 240
ctaagtgatg ggttgcaaac ggcttcaacc accttcagct cctcttcata atcgctcttt 299

<210> 12331
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f02a1

<400> 12331

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 gaagctgctg ctatgcgtcg taccaatcag gagaagatca gggttgcagt tttggtttcc 120
 aaagcagcac ttcaatttat cctaggtgtg caactaagcg attacaaagt gccagaggaa 180
 gttgaagatg caggttttga aatctgcggc gatgaattgg ggtctattgt tgaaggccat 240
 gatgtaaaga agttcagaca tcatgggtggg gttaatggca ttgctgagaa gctttctaca 300
 tcaaccactg aggggcttaa caatgatacc gagttactga ataggagaca gcagatatat 360
 ggaatcaaca aattcactga aagtgcagct acaagtttct gggtttttgt ttgggaagcc 420
 tttcaagaca tgactctgat gat 443

<210> 12332
 <211> 158
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220139f02d1

<400> 12332

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 gnaatttact tatttacagc aagtcacaa tcattctgct atcctagaaa ataaacaacg 120
 tattaataaa aatggttaaa tggntaatgc tagtcaaa 158

<210> 12333
 <211> 137
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f03a1

<400> 12333

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 tcccttcttc acttcctctc ttttgcattg ctcccaatta gactaaccac cttaaattca 420
 aatcaaaatc aaaatcaaaa 440

<210> 12336
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f04d1

<400> 12336

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 ttttcccatc acacactcaa ctacatcggt gaactccttg atggttctct catctgtgcc 120
 atcatgcatc aacggtggaa agaagagcca cgcggcgggt actatcacia acgccaccgt 180
 aatgggcccc cacaaggccc aatgcagtct ccatttagcg cccaaccact ttaccgcacc 240
 aaacttcgca acggcacaca ccccatggag caaaaagaag cacgtgacct cccacgtggg 300
 actaacacgt gtga 314

<210> 12337
 <211> 307
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f05a1

<400> 12337

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 agtggcttca cagaagatag acatgccgcg ggaaatgtga gtgataactc catcttgaac 120
 acagtggagg cgacttggat acgctcaact agtacatgaa aattttttct gaccagggac 180
 gaatatactg ataacaggaa ctggaagggt catactgctt gtatgctgac tacattgaag 240
 actaataaca gccgtgctgc ttgtgagcag atgccacata tacttgcaac tgtggggagaa 300
 caaactt 307

<210> 12338
 <211> 140
 <212> DNA

<213> Glycine max
 <223> Clone ID: jC-gmf102220139f05d1
 <400> 12338
 aaaacaaaa aaggcaaaaa ggggaacggg ggaacttaca aacactcaag ccacaaaaat 60
 ccactaagaa caaaaaaac ccacacacga acctgggtgaa ctgcacccaa aacacacccc 120
 gatcccaatc cctgtagtaa 140

<210> 12339
 <211> 129
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139f06a1
 <400> 12339
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 agggggagaa ccgaaacggg accgcccga aagaacaagg ccaaagccac aaagtcaacc 120
 gctctggca 129

<210> 12340
 <211> 207
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139f06d1
 <400> 12340
 aacacaaaa tatacaaaa gggggacggg ggaaactcaa aaccgttaag ccgcaaacia 60
 caaaaaaccc aaaaacccca ccacaaccga ccaggggtag aagaggcaaa gaccgtccct 120
 attagcacac cctttgggag gacgcgttag tgatgtcttt tctgaagagc cccctcaggg 180
 gcaaactgag cgacaccccc ctggggag 207

<210> 12341
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139f07a1

<400> 12341
 gaaaaaggaa aagaaaaaaa aacatttttag cacttaagac agcaaaaaac ggaaaggggg 60
 aggggggagaa ccgaaaagag accgaccgca aagaacaaga gaaaaccaac aaagtcaacc 120
 actctcgaag agaggaggat atggacaaga acgagaggaa cgctaaagca acccaggcag 180
 gaacagacac ccaagtggag gccgaagccc aaaacagacg aaacgcggac aaaagtgaag 240
 aagaacagcg gtcatgcaga ttaggaacgg atacaaaatt a 281

<210> 12342
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f07d1

<400> 12342
 aaccccagac gaaacaaaaa aggggaaggg gacaacacaa gacagaaaag ccccaaacca 60
 ccacaaaccg gaggacacga ccgcaaccaa caagaactag acagatggag gacccgcccc 120
 taagagcagt gccaacgggg gcggaaccaa acacaagcac caacacaaca gccccaccag 180
 gggcaaggtc gaggcaaacc cccgggggga accacccgac c 221

<210> 12343
 <211> 162
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f08a1

<400> 12343
 gaaacaggca tagacaaaag aacatttttcg catttacgac agcaacaacc gggaagggga 60
 aggggggggca ccgaaaccgg accgcccgcg aagaacatgg ccaaggcaac aacgttaacc 120
 ccactagcag tgagccggat atggaaaggt ccgggaggaa cc 162

<210> 12344
 <211> 230
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139f08d1

<400> 12344
 tattttccacc tttctggttt aaacctttca aaacacaaaa acccaaaagg gggacagggg 60
 gaaaaacaga cccgacaaac cacaaaaaaa ccaangacag gaaagcagac cacaaccgaa 120
 cgagccngga ngaacacaac aaccggaaaa acaccacacc caaagcgagc aaggggacaaa 180
 gaggcgacca aaaaaacagc cgacaaacgg gaaagcccag aaaaacgcca 230

<210> 12345
 <211> 163
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139f09a1

<400> 12345
 gaaacaggct ttgacaaaag aactttttcg cacttttcgag agcaacaacc gggaagggga 60
 aggggggggca ccgaaaccgg acctcccgcg ttgaacgtgg cctagcccac cacgttaacc 120
 gctctggcag tgnnccggat ttgctcaaaa ccggaacgaa ccc 163

<210> 12346
 <211> 200
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139f09d1

<400> 12346
 aacaccaaen naaacccaaa ggggaacggg ggaaacacaa aaccgcaaac ccgccaacaa 60
 ccaaaaacaa ccaaacccca ccaaaaccga acaagcgaag aagagagaga aagagccccc 120
 agcagcacia cctgctcta gaagcgaaaa ggatgcattg cccgaccacc cccaccatgg 180
 ccaaacagac gcaaaaacccc 200

<210> 12347
 <211> 218
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f10a1

<400> 12347
 gaaacaggca aagacaaaag aacatTTacg cattaaagac agcaacaacc gggaagggga 60
 aggggggggca ccgaaacgag accgcccgcga cagaacaaga ccaaaccaac aacatcaaca 120
 gcactggcag agggccggac atgcacagga ccggaacgaa cgctattgca acacaagcag 180
 gaacagacac gaaagtggag gaccaagcac cagaccga 218

<210> 12348
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f10d1

<400> 12348
 aacaccaaT taaacaaaag ggggaacggg gacaacacaa aaccgcaaac ccgcaaacac 60
 ccaaaaacca caaaacccca ccacacccaa ccaggggtag gaagtggaat gaccctccca 120
 atcagcacia ccattggtaa gaagcgacag acaagctttt cccaaccacc cccacc 176

<210> 12349
 <211> 364
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139f11a1

<400> 12349
 atTTtgacca ttatggttgt aatattagtc tttatcttta ttatccaggg tcctggttgt 60
 gttactgtga agaagaccgg tgcggccttg atcattggca tttatgatga accaatgact 120
 ccaggTcaat gcaacatggt agttgaaagg cttggcgatt atctcattga tcagggtctc 180
 taatctttgc tttatgtctt gttatcgtgc atatttcatt ggcttctgta caagtttttg 240
 catcgacctg gactggaatg ctttgattgc agtgaataa tcttggttgag agtatgaaaa 300
 gtcacgggat ctgcgtgtag tgagaaagtg tttgatgctt gagaaatgat gactataatc 360
 tcta 364

<210> 12350
 <211> 360

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139f11d1

<400> 12350

aaaaaaaacc ccccttttca aagaaaagaa taacaaatta gagccgacca tcgaactcca 60
gatcgccccg aaaaactacg atccacagaa ggacaagcgt ctcaagggtg ctgacaagct 120
gccccacatc cctcgcccca agatcccaat ttgcatgctt ggccaagctc agcatgtccc 180
aagaggcaag agaagatagg actggactgg atggaaaagg aagccctgaa gaagctaaac 240
aaaaatcaaa aaccggagaa aaaactaact ttaaagcccc atgcatgggt aacaactgaa 300
acagtttttta aacacaatgg tggaattccc gggactgatg ggaacaaaga aaaagcccat 360

<210> 12351
<211> 381
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139f12a1

<400> 12351

gtgggcccct tcgaggattt tacatttagt atgatccaaa aggaacatcg ccatctgggt 60
ctggctctgc tgaagaccag caccatctga gtgatggaga aaatgctacc accgaagaca 120
actctaaact gtatggagat gtgtgacagg aaccaattag aactgcaaag gactcaacaa 180
tctgaatga taacgggaca ctgacttcac tgaatggaaa ctacaaggca caagagtcaa 240
gtgaaaacgc aagagctgag gataacccac gatggatatt agtggaaaaa gggggaagtg 300
gacagtgtta ctccaacttg gctaggagag gtgggtctca atgatatcga agactatagc 360
tgagtataga tgtgttattc a 381

<210> 12352
<211> 338
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139f12d1

<400> 12352

cccaaaggc ccaaaccac aaaaccctaa attagcccaa aaatttttaa aaatttgaa 60

gggcccccat aaccccgtaa aaaactcaac aaaccacaaa aataaccac cccatttttaa 120
 taataaaacc ggcccaaact ataaacaaac ccccgagggt aaaaccacaaa gccccaactg 180
 gaaaaggcct aaaaacaaaaa ggggactaaa acaggggggaa aaaaaataaa aaaaaaagga 240
 aattaaaacc ccaacaaaat ttccaaaaac aaatttttaa aacacctttg gaaaaaaaaa 300
 ttgcgagggg accataaaac caaaaaagcc aatgccaa 338

<210> 12353
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139g01a1

<400> 12353
 gttgcgttgt gtgtgccatt cccatttccg ccatcgctac cgccagcacc accgatcgct 60
 ctctcaccca ccccaactga taccgtaac ctcttcacct tcctctcctt ccctaaccta 120
 atttaaaact aaaaaaaaca caaacaaata aaacaaatgt cccctaaggt tggggcacgt 180
 caccatgct tctgaattag ggtttccatt tggatttcgc tgttctgggtg cccaattgag 240
 cgacgcaaaa gggtaagagg aaagggatga ggattatggt ttggggatcg gagaatcgtg 300
 ttgcgcatat tgctctgtgg gaccctctca tgcaccgctc aagctcatca ntaatagggt 360
 ttctctctcc tccaccacg ccatctgtcc cgctcgcccc cttctcgatt tcattcttagg 420
 gttttcagat tccacctgct cccttcccaa ttctcttggg tcca 464

<210> 12354
 <211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139g01d1

<400> 12354
 tccttttttt ttttttttga tttaaatttt ttctatagaa ttatttttga actgcaaata 60
 gggacgcacc aattacatca acaatgcac caatcagttt tatgtgggat ttacaaccat 120
 ttcagtccca acaaaaataa atttatgaa 149

DECLASSIFIED

<400> 12355

<210>	12356
<211>	179
<212>	DNA
<213>	Glycine max

<400> 12356

<210>	12357
<211>	436
<212>	DNA
<213>	Glycine max

<400> 12357

5653

attggaatca atatagtgat taaccatcta aattacaatt tcaacaattc ttccttcatg 120
 taatgaaaat ttcatttcaa atgcagcgtg aggagctcgg gattatcaat taattgcttc 180
 cactcgttgc aaaatcttgc aacggttgct ccgccaaga ctctgtgatc tgcaccaata 240
 ttaacattca cgagggatgc aggatacaca tttccattat cagcaaaccg tggaactttc 300
 tgaattctac caacggcaat aatggagact tcaggcagat tgataagggg ggaaccaaac 360
 tttccaccta ttgctccaat gttgcttaaa gtgatagtac caccacacat atcctcagaa 420
 gttaacttgc tatttg 436

<210> 12358
 <211> 137
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139g04d1
 <400> 12358

cgctccttttt tttttttttt ggcttaaaga ttttatatac atacatttca tcaaagggtc 60
 aggggtatca tccaatgctt tacagaggaa gttttctggg atgtccaacg gaaaatgata 120
 ttttgggaaa actagca 137

<210> 12359
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220139g05a1
 <400> 12359

cactcataac acaaagcaca aagcatagct cattcttgag ttaaaaaatg gcagcagctt 60
 cttccatggc tctctcatcc ccatccttgg ctggcaaggc cgtgaagctg ggcccatcag 120
 ccccagaagt gggaagggtg agcatgagga agaccgtcac caagcaggtc tcctcaggaa 180
 gcccatggta cgggccagac cgagtcaagt acttgggccc attctctggc gagcccccg 240
 cctacctaac cggtagttc ccaggcgact acggctggga cactgctggg ctttccgcag 300
 acccagaaac cttcgccaag aaccgtgaac tcgaagtgat ccactccaag tgg 353

<210> 12360
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139g05d1

<400> 12360

aaagcatgta acaccaagca ggatacggac gcacaagggg attcacatta tcagaagtac 60
 tccaccaaac acaaatctaa aaactctcaa aagtcatttc gttctttgac gcacacttac 120
 cggggacgaa gatggtggca taggcccagg cgttgcagct gacaggggca gcaaggtgat 180
 cggcgagggt ctccaatgga ccctatccgg tgacaatggc ctgaacaaag acgccaacaa 240
 tagagaacat ggccaatcga cgttcttga gttccttcac cttaagctaa acaaaagcct 300
 gtgggtcatc agcaaggccc aacgggtcga aactgccacc tgggaagaga ggggcagtga 360
 cctcaccgag ggg 373

<210> 12361
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220139g06a1

<400> 12361

cgacaacgct atcaaaaacc actggtactc caccttgaag cgcaagtgtc cttcaacgat 60
 gatcgacgac aacacccaac cgctgaaaag atccgtgagt gccggcgagg ctattccagt 120
 ctctactgga ctctacatga acccgccac accgggtagt ccctccggat ccgatgtgag 180
 cgagttcagc ttaccgggng gannnnnann nnnngngnnn nnnnnnnnnn nnnnnnactg 240
 gcaaggttat accacccgta gaaaccacgt tgtccttcaa tgacccttca actttacttt 300
 ctctatcact ccccggtggt ggagttggtg actcatccga agtctccaat cggacaactg 360
 agccgattca ttgtacaccg tcaatgccac atcggtcgaa tactatgcct ttgctgccaa 420
 tgatgacggt cggttttagc gacggtgatg gcgccgttta attgtagcgc atagattcgg 480
 tcggtgatg 489

<210> 12362

<211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139g06d1

<400> 12362

aacccaagn nggaaaaaaa aggaaaagg gacaacataa atttcagatt ctatctaaag 60
 ggcaaaaaca ccaatctatc ccctctttc ttccgaatac cattctcctt cggagcgagc 120
 gagttatggc ccacgggaca taaaccataa ttattgccta aaaacattga ttaaaaataa 180
 aaaagaacag ggaaaaaac agatccttgt tatttttttc ccattaggag gagcaaaaga 240
 acaatctttt ttccgatgat gctttttacc aataaacc 278

<210> 12363
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139g07a1

<400> 12363

cagggttaat gcatttcctt ttgccttttc aatttttgaa gttgattatt gtggaagggg 60
 tattgatttg atcgattatc ttttgttttg tgtttgcga ctttgaagaa taccatgaca 120
 aatgtcatga atctttcgtg tcaaataattt ttagcttcag atcgagacat gtgtttgtta 180
 tatcgcaaat cttataactca ggaagaacag ctagtgtgac taattgtact tttgaataaa 240
 agacataata agaacagtgc ataatgttat cgg 273

<210> 12364
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139g07d1

<400> 12364

atgcactgtt cttattatgt ggggtattcg gaggtacaat tagtcacact agctgttctt 60
 cctgagtata agatttgcca tataacaaac acatgtctcg atctgaagct aaaaatattt 120
 gacacgaaag attcatgaca tttgtcatgg tattcttcaa agtcgacaaa cacaaaacaa 180

aagataatcg atcaaatcaa tacccttcc acaataatca acttcaaaaa ttgaaaaggc 240
 aaaaggaaat gcattaaccc tg 262

<210> 12365
 <211> 363
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139g08a1

<400> 12365

ctgatgcata tgatgacttt gctgttgaaa gatataacta tgagcagaca gagccagcaa 60
 catataacaa tgctcctctt attggtattc tggcaagact aggtggaggt catggtggct 120
 ataaccagct tcttccagtt gttgttccag ctcttaagcc tgctgttacc aagcctcaac 180
 caacccccag tccaagaca actccttctc cagcttcatg gtcaggccca atttccattg 240
 aacagaaaag gaccacctca tgggttgcca atggaaaaac ttattacaga tactcaacag 300
 tcgtgactaa caaatctaac aagagtctca attctctcaa tctttcaata tccaagcttt 360
 atg 363

<210> 12366
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139g08d1

<400> 12366

tattatggaa attcggtttc accgccttgc acaaaaacat aatacgaggg ggcacacgcg 60
 ggaactatgt agggaaaacc aaacgctaca ccgcttacia catccaacac agaaaagaca 120
 tgcaacgctg ttgaaaaaga caggtgagga ctcttctctg aaatattgag aagttcacct 180
 tgtttttttt aacttctgaa caacactgga tcaactaccg gatcgtaaca cccactgcat 240
 aaaagacgca aagcggaaaa gaaagaggga gagccccgcc tctaggatgt t 291

<210> 12367
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220139g09a1

<400> 12367

ctggtgcatg gtgcgaccac actgtttaag gtttccaggg agcacagagg caggggcagg 60
gctgggaggt cataggctgc aatattgtac agatctacca gttactggga tgagtacgtt 120
tggggagggg ccccgnggt tcttttgta cggaagaaca ttgtacctta aatttgctac 180
ggcttctgag ctggtcaagc atgctggagc cttctgggga ggccctgatt attgagaact 240
cagacgggat aacaagacg 259

<210> 12368
<211> 314
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139g09d1

<400> 12368

aaggcattag atgaaactgt cgggcaatgg ggagctgttc agtttttcat gtgtaaagaa 60
tacacgattt gatttaaata catatatact atatgtgaat gacaaaaatt taaagagaca 120
cactctcaag taccacttaa tcaattctga atgctaaatc ttgagtcgaa cattggcccc 180
aggcagctat attcaggggg gcaagctcca ttgcttctat ttctcaaagc tttgtttctg 240
caaaattacc ttgatctttc agttgagaca aaacaacgaa ggttaccggg gcaactcaa 300
catatgggat actt 314

<210> 12369
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139g10a1

<400> 12369

gagaaacgca aagaagaaag aaccttttag catttacgcc agcaacaacc gaaaagggga 60
agggggagaa cagaaacgga acccccgca aagaacatgg gaaaaggaac aaaatcaaca 120
gctctagcag tgggcaggat ctggtcagaa ccggaacgaa cactactgcg aacacaagaa 180

ggaacaggct cccaattggc ggaccacgcc caaaactaac gagaacgtga ctacaatgaa 240
gaagaacaga ggacgggcac agtgggaac 269

<210> 12370
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139g11a1

<400> 12370

acatacatca tcaactgata tataattcta gatttcttgc agtctattat tagagagaag 60
aattgagttg gaagaaccca gaaaaagaaa caaaaaataa ataaaacgat gtggtggcca 120
ttcancacaa atggaacttt tgggnnttca tcatattcta ctgccgagga agttactcat 180
ggaatcgatg gaagtggctc cactgctatt gttacaggag catctagtgg tcttgggtgct 240
gagactgctc gtgtccttgc tttgggtggg gtccatgtga ttatgggggt gatagatatg 300
attggtgcaa aa 312

<210> 12371
<211> 610
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139g11d1

<400> 12371

tccttttttt ttttttttct cttaaaaatt ttaacttcat atagattaac ttaataacag 60
gcacaatatg atcattggca tttttattct ctaatacagt attccattta cattgacaat 120
tatcattatg cattttactt agtcaaattt atgctaaaat ccacaactt cttggccaaa 180
ttcatgtccc ttccatgtga gtatacttct gcaagattat tatcttcaaa atacttgccg 240
ctgattccac tcaattgtgg gtgcaaggct acataacatg ttgttgatgc tccttgctgc 300
acattttttg ccatatatcc caatatcttc tcgagtccaa atagccatgc tattttgtgt 360
aaaccattta ataaaccact atgaatgtga atattgggtg aaacagtggc tcctggatga 420
acagaattag cagtaatatc tattccatct tccttgagac gtcttgcgag ttcattggca 480
tgtaaaatgt tagcaagctt tgattggcca tatgcacacc aattgttgta acttgattgg 540

tcgttaattt tgtcaaaaat gattccttca cgatacgtga atcgataacc attgaggaga 600
cattaataat 610

<210> 12372
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220139g12a1

<400> 12372

gttcaaagat ccatgtgttg ctgctttatt ttgatgtcac aaaagaccgg aactgggctc 60
gaggcattag aagtcccaaa ttccccggcg ttccctatac tttcttctca cagaggcaag 120
gatgtaaggt atctctgtac caagatgctc atgtacctga taattttgta cctaacatac 180
ctcttgctgg aggcaagaat tatgaggctc ataggtgttg ggaggatata tttgatgcaa 240
tcactaatgc tagacacttc atatacatta ctggttggtc tgtttatact gaaatttcct 300
tggtgagggg ttctaggagg ccaaagcctg ggggagacca aacacttggt gagcttctca 360
agaaaaggca aatgatgggg ttaaggtatt gatgcttggt tgggatgata gacatcagtt 420
gggttggtga aaaaagatgg actaatggct actcacgatg aagaaactgc acagttcttt 480
gagggcctga ggtgcatngt gttttatgcc cccgcaatcc tgatgatggt ggtagcattg 540
ctcaggattt acaaatntct accatgttac tcatca 576

<210> 12373
<211> 598
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139g12d1

<400> 12373

tccttttttt tttttttttt tttttggggt agaatttgaa acattgatta gaaaccagtg 60
ggagccggac ccaccaacaa catcagataa ctaaaatctg tcaactgaaat cttcagaaaa 120
atagcagaaa aaacatcttc acaagacatc acagactata ttaagattat tactaagtag 180
taatgaaaac acagattagg atgtaagcaa taacaagttt gtaacaaagt acaaaatcaa 240

attaagtagt gagaataggg gggaggtagt cagctttgcc accaagaatg cgagccttgg 300
 tgtcgggaaa gaattcaaat cctggcagct cggtgacatc ttcttactg gcaaccccgga 360
 tggggtagcg gagaaggtga ccgggaaggt catgctcaag tgactcggta gaatacagat 420
 cccaacattt gtcagcaact tggttcacct tgttaatgca ttcatcactt tctggctgga 480
 ggaaagagtc atgaagcatg ccaaggtgct cataccacaa tgacatgcgg aaaccgtgaa 540
 ttgaccacg tgctggctgc ctggtagcca aatgataggg ctgataagca cccatggg 598

<210> 12374
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139h01a1

<400> 12374
 ggggtgcggtg ctgggaatat ggcgtttgcg atttaggggtt ccgttagtgt tgaaactgaa 60
 caatattgat gttaccatgg tctaccgga gccttggtgt atgccacgac tttttacggc 120
 tggatatagct gaattctatg agggatatta cgcaaataag ggtgtaaata tcattaaagg 180
 aactgttgct gttggattca cttctaattc tgatggagag gtaaaagaag tcaaactaaa 240
 ggatggcagg gtcctggaag ctgatattgt tgttggtggt gttggaggaa ggcctcaaac 300
 agtcttagtc aaaggcangt ntgaagagga gaagggtgga atcaagaccg atgctttctt 360
 caaaactaat ctctccgatg tatatgctgg tgggggatgg tgctactttc cttttgaaat 420
 atacgggtga atgagaagaa gtgacatggt gatcattctc gcaaatacgc 469

<210> 12375
 <211> 77
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h01d1

<400> 12375
 aaaaccccg aaacaaaaa aatattttat aaaaaatccc cggccacccc aaaaaagaa 60
 aaaacccggt tttggct 77

<210> 12376
<211> 339
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220139h02a1

<400> 12376

cttctacttt cacctaaacc aagcacttgt tgatgtagct tcggagccca ctactgagaa 60
gccgattctc gttcttggta tcaatcactt aagttatttt gggatcatgt tggagcatgt 120
tttggctaaa atcatttcac gcaacaacag actgatatat ctctaagaag gaacttagca 180
aaacaaaatg cataaatggt taattttttt ttaggataaa ttacgctgac acttcctgag 240
atttttttaa attgcacata atctccctgc ttttttaatt tttacaacag ccttcctttt 300
ttttcaaaca gataaagggg tgtagtgtaa tatataaag 339

<210> 12377
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139h02d1

<400> 12377

tnntatanan tttttcaatc tggaaattaa agagggatat aattcaaccg ggattcaagg 60
aataaactac gtatcacatt ttcaagtggg ttaatgactt aacgataagc atcaatcgac 120
attctacaag ataaaatcat ttcttggcct ccacactcga acaagtttgg cgtagaatga 180
gcaagtagcc accagtggct cggatttctc acctatgcca attgcttate ctttctgcca 240
aactgctcca taggcaagag aaacatgcta ctgcaagtt tacgacacgg cggaattgcc 300
gcctataatg gcgacaatag caaaaccatt gcgcatacaa gcagacaaaa ccaagcctgg 360
aatgaagggg tgggtggctaa cccttcaaac 390

<210> 12378
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220139h03a1

<400> 12378

aaggacttca acagggccac agcaattgca tcctgagttc tacagatggg tttggttgta 60
 ggattggcac ttgcattcat tcttgaaca ggattgcaact ttggtgctaa aatatttaca 120
 caagatgcta atgtcctcca cctcattcaa attgggatcc cgtttattgc agtcactcaa 180
 cccctgaatt ctttagcatt tgtatttgat ggtgtcaact ttggggcatc tgattttgca 240
 tattcagcct tctccatggg tgtggtggca attccttagca tcatttctct gcttattttg 300
 tcacccgctg gtggtttcat tggaatttgg gttgctttga ccacctnata tgggtcttaa 360
 ggcatttgct ggcttcttga gaattg 386

<210> 12379

<211> 325

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220139h03d1

<400> 12379

cgggccctat aagggggccg aggtaaattt ttcaaccaa tcccccaagc ccaatcaagc 60
 ggggggaatg gcctagtttt tcaaaaaaat ttttcaagcg atttaacaac ccaggggggg 120
 cttatctcac tttaaggga acagcaaacc ccaactgaaac ctgggcctaa tgtgaaccta 180
 taatttgggg gtaggccatg ggcacccatg agctccttaa aaactcccaa gggcctgaac 240
 ccgttccaat tctaaagaag ccggggaatg ccctaagacc catatggagg ggcaaaggaa 300
 cccaaattcc aagggaacca ccccc 325

<210> 12380

<211> 343

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220139h04a1

<400> 12380

agatcatcga tacgctggtg ggcctttccc tggtggacga ggtgatgaag atcacgccgg 60
 ttcagaagca gaccggggcc gggcagagaa cccgtttcaa ggccttcgtg gtcgtcggcg 120
 acaacaacgg ccacgtgggt ctaggcgtga agtgcagcaa ggaagtggcc accgcaattc 180

gtggcgcgat tattctcgcg aagctttcgg ttattcccgt gaggaggggt tactggggga 240
acaagattgg gaagccccac accgttccgt gcaaggttac cgggaagtgt ggggtccgtta 300
ccgttaggat ggttccccg cctaagggtt ccggtattgt ggc 343

<210> 12381
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139h04d1

<400> 12381

agccaattaa attaaaactg gggggaatgg ggatccatac agagacatac caccgtctat 60
caaaacaaaa agtaaagcac agaaccaaca aaggtaaata acaatgtctc taaaacatcc 120
ataaaaccaa aac 133

<210> 12382
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220139h05a1

<400> 12382

ggttgaatag atctcggttc atatgtttct catttttctc tggtttttgg caaaattggt 60
cggatggatt caatttctct ctgtgtaaat acttcaactt ttccaattct caccttcgca 120
tgttgattcg tagtcagatt ttt 143

<210> 12383
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220139h05d1

<400> 12383

ttntttnnnn tttttgtgtt tactatTTTT ngcccccttc atttactcta ggcggagggg 60
aattattcca ttacaaaaaa acatcgetat ttccactctt ccgttactgc tttgtagctt 120

[illegible]

<223> Clone ID: jC-gmf102220139h06a1

aatctctgac	ctcttcttca	catctttctc	cattaatacc	cttccctctc	tctcccatgg	60
agttgatcta	cctactctat	ctggttccaa	cgttgtacgc	gtgtttcctc	atatggaaga	120
tgttggaaga	gagaaggga	agggagtgtt	acatcttaaa	ctaccaatgc	tacaagcccc	180
ccaacgacag	aatgctcggc	accgagttct	gtggcaagct	tatcagacgc	accgaaaacc	240
tgggccccag	cgagtaccgc	tttctcctca	aagccatcgt	cagctccggc	atcggcgaac	300
aaacgtacgc	ccaagaaaac	atcttcgagg	gccgcgaggc	cactcccacg	ttgcgcgaca	360
gcatacgaga	aatggaggga	gttctttcac	gacagcattg	gaaaactcct	cgcgca	415

<223> Clone ID: jC-gmf102220139h06d1

atgcaagtat	ataataatta	attaaaaccc	atgatctggg	gaacaagagc	taacccaaac	60
aattacagat	atTTTTgtcg	ttttcttttt	gtcagaaaaa	aaagaagaaa	ctcgttatta	120
taacacattt	aaacaaataa	tgcaaaccaa	agttaaaaaa	aaaaaaccat	aatacgtacc	180
cttttgacgg	tgtggcaaga	agcagcacac	accttattgg	gtaatgaacc	ctagaggccc	240
gggttcaata	ataataatat	ataagtgtat	agcttacaga	aaaattttaat	gcacaattac	300

atcgatgcac ctggttaagag agatctaaag aatcagaggg gcccttcctt tttaattttt 360
 tttt 364

<210> 12386
 <211> 384
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h07a1

<400> 12386

atttcaccct gacgggcct cctttttctt cttctttctc acctcttagt ccttttgact 60
 tccttctctt ttctttctt ccttctcttc ttcttccccg cgcaagctat gccgacattt 120
 actgcaatag catttgatag attgatagag cctggagctt caaaacctgc ttataaatct 180
 gctccggtgc caatgctgt cccaaagaag attgagaggg gaactagtga accaaccata 240
 aggaagaagc cccgtctctg tcctcaatta aagccagcac tctatgccac tcctgaggtg 300
 acaccgcttc cggatgcacc ctcttcgttc cctccttctc cgtacatcat caatcacaac 360
 cgccgtggcc cagcctgct gaag 384

<210> 12387
 <211> 104
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220139h07d1

<400> 12387

catggcgat aataatttca tggactcagg ggtgaaccct tccactaatg tactacctag 60
 agttacagag aatggcacgt gagagaaatt atgcacaaac tcaa 104

<210> 12388
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h08a1

<400> 12388

ggctgactca tgacaaacaa ctctgtatta tatttagctg accagaagca agtgtaggga 60

ttgtggcact aactaactaa gcatgctttt ttttgacaat taactatttg aacgccttac 120
 acttgtctta gcattacatt gatggacact ctccggtgga ctagaacctg cataatgagc 180
 attggcactg tctaagtggg tgccaaaata cattgagcgg gggactagag tatcgctgat 240
 ctagacaaag gctataaaac ttcttcggta tgagacaata ctggctctat cacctg 296

<210> 12389
 <211> 340
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h08d1

<400> 12389
 atggcgtatt attatttcat tggcttaggg gtgaaccctt ccactaatgt actcatctag 60
 agttccagt aatggcacgt tagagaaatt atgcacatac tcaagatgcc ggaaaattgt 120
 aatgatcaag taagagatat gtaacatggt agccacataa tggcacatat aacttttatt 180
 ctctctctct accataactc ggcaatgaag ttagtattaa ttgtatatta gttggctgca 240
 tcatcatggt caggaacctg atcatgaaca gaaaaagttg atcctctacc cacagggaga 300
 taggaccacg caatggctgc agtaccaact gcaatggcag 340

<210> 12390
 <211> 347
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h09a1

<400> 12390
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 ctctttttac aggaactatg ggaagacatt caagaagccg cgtcgtccgt acgagaagga 120
 gcgtctcgac gcggagttga agctggttgg tgagtacggg cttcggtgca agagagagct 180
 gtggaggggt cagtacgcgc tcagccgcac acgcaacaac gcgcggaacc ttctcaccct 240
 cgacgagaag aaccgcgcgc ggatcttcga gggagaggcg ctgctccgaa ggatgttccg 300
 ttacgggtctc ctcatgaga cacagaacaa gcttgattac gttctcg 347

<210> 12391
 <211> 305
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h09d1

<400> 12391

tccttttttt ttttttttaa ttaaaagttt taatacttta aaatatctaa gtggacaaag 60
 ggataatgtc actcaatatt atctcaaaca aggaacggaa ggatgaaaat gtataacaat 120
 aaaaaaacia taaactaggt acgcaaagta aaaggtggca taaggtctaa tagcactaga 180
 aaaagacatg attaaaagtt taatcctcgg cttcctcctc tccatctcca cctgcggcct 240
 tcttagcagc agccctttgg gttcttctct tcactcttcc agggcgacca ccaccaaggg 300
 gactt 305

<210> 12392
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h10a1

<400> 12392

aacgcgatta tgaggaatta aagatttaca atttttaacg acgtgggttt cttccagggt 60
 taagcatgat tagaggaaca gagaatgtta ttttgccggt aatagattag aggctgaatg 120
 atgatggatg aatgagtgtt agttgcagca atttgactat cttccgtaag caaagagcag 180
 tagctggaac aaacaacgaa cgaacactgt aagcatgaac aagcgccaag aagatgtgcg 240
 caacatagct actaccctcg acttcagatt caatcagacc ctcataaatg ggcaagggta 300
 accccaatt cttctctttt ttctcttttc agatcgaggg gttattattg cttcgtcgag 360
 gacaattttt tccattgtct attttctaac 390

<210> 12393
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h10d1

<400> 12393

tattatggaa atcggatttt aacgcttttg aaacaaacac ccaaaaagcg ggcgccgggc 60
 cagctgctaa gggaacactg acacgaagca cagacggccg aaccagcagg aacggactcg 120
 cgctagtac caagctgcgc ggggagcacc gtgacaaaag gttacaagga accgtacaag 180
 gagaagtggg cgaaaaaat cccacgcagc accacccgct gccccagcac cctcgtcgag 240
 aagaaccgc accggaactg ggaa 264

<210> 12394
 <211> 372
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h11a1

<400> 12394

ttcagattca gttcctcttt gcttttttct ccattcaaaa caacagaacc aaactcggaa 60
 ccaaactcag aaccaaactc gccaaaacta gggttttgca ttgatggcac tgtgcaaccg 120
 cgtcagatcg ggaatctctc tcttcaccaa atccacgttc cttacttgcc agcgatccag 180
 tctccaacga tccctcgttg cccctttcat ttccctcgcc tccagaaatt acgccaacgt 240
 gccggggcaa aaggaaacca aagttaaggt ccctctggct ttgtttgag gatcaggaaa 300
 ctatgcctct gctttgtata ttgcatctgt gaaagccaat gcaatggaaa aggttgagac 360
 tgagcttctg ca 372

<210> 12395
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h11d1

<400> 12395

tctttttttt tttttttttg gaaagagggt tctattattt gcaaaatgat ggcattccat 60
 gccataaaaa tctacatcca cacaatttat aatgaacaag aatgtaatac ttctttcttt 120
 aaaccatgat aacacagatt gtcaggagag attatagtct tctagatgtt ggcaatggac 180
 acgggctctc ggaggatcct ctccatctgt tgtgccctgg tcttaattga catgtcaaag 240
 accttctggc taaattcaag cacaagccca ccaagtatgc ttggatcaat cttctgttca 300

agatgaacct tcgttccaga acctattatt tcttgaagag tctccttcaa tgccttttcc 360
 tcttcagggg gaagaggaac aacagtgggc acagtgcgtt gcacttctcc cttatatgcc 420
 attgacaact gtgcaaatct ctttgcaatg gtgtctatgt ttttaagcct tccattctca 480
 gcaacaataa caaggaagtt ctttgtaaca tccgaaaact tggctttccc acaaatat 538

<210> 12396
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h12a1

<400> 12396
 ttcagatgca tcaccttttt gcttttttct ccaaaacaaa caacagaacc gaactcggaa 60
 ccaaactcag aaccaaaactc gccaaaacta gggttttgca ttgatggcac tgtgcaaccg 120
 ggtcagatcg ggaatctctc tcttaaccaa atccacgttc cttacttgcc agcgatccag 180
 tctccaacga tccctcgatg cccctttcat ttccctcgcc tgcagaaatt acgccaacgt 240
 gccggggcaa aaggaaacca aagttaaggt ccctctggct ttgtttggag gttcaggaaa 300
 ctatgcctct gctttgtata gtgcatctgt gaaagccaat gcagtggaaa aggttgagac 360
 tgagcttctg caatttgttg aggcagtgaa gaatagtcac atatagtcac agcatataag 420
 ggacttgtct 430

<210> 12397
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220139h12d1

<400> 12397
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 acacaattta taatgaacaa gaatgtaata cttctttctt taaaccatga taacacagat 120
 tgtcaggaga gattatagtc ttctagatgt tggcaatgga cacgggctct cggaggatcc 180
 tctccatctg ttgtgccctg gtcttaattg acatgtcaaa gaccttctgg ctaaattcaa 240
 gcacaagccc accaagtatg cttggatcaa tcttctgttc aagatgaacc ttcgctccag 300

aacctattat ttcctgaaga gtctccttca atgccttttg ctcttcaagg ggaagaggaa 360
 caacagtggc cacagtcgct tgcatttcta ccttatatgc cattgacaac tgtgcaaadc 420
 tttttgcaat ggggtctatg cttttaagcc ttccattctc agcaacaatt acaagggaag 480
 ttcttttgaa ca 492

<210> 12398
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140a01d1

<400> 12398
 atgtctgtca gattctatcg ggaaatcatt tggaatatat ttcccggcta ctctgcggcg 60
 gccgccttt tttttttttt tttttttttt tttttttttt tttttttttt ttttttagctg 120
 aaataggcat attcataaat ttacacaaa gggttgtcat catggcccct tacaacaaca 180
 aagtactaca tctaactatt ctttaaaaat ctaacacgat gattcaaagg accccctgtt 240
 gtcagcagga gaacttaaat tctctcttgc acaacaacca agccccctaa accaaaacaa 300
 ttcccaccta aacacaaact ttaaaacatg gtagacaatt aattagcttc tatattacat 360
 aatcagacct tgaaatattg gccccatgg aaaaactagg catcttatcc aattta 416

<210> 12399
 <211> 526
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140a02d1

<400> 12399
 caaattatgt tcctgatttc cttaattctc aagagtcggg aggcagcaat agaaggcaaa 60
 tgtttcctaa aaactcaact gtaaaaccag taaaaatgta acaaggaatt ttcatcctca 120
 atgaccaata gaatttttga aaaagaaaat cacatttctt caacaaacga cagtcataac 180
 tcttctctgt agtagccatc tagttccttg gtttattgat acaatagctg aatagcaatg 240
 gatttccttg tagcaggcca tactagatta ttaagaccaa agttaagaat cagcgccagt 300
 gagtgtatc aattcaacct gcaaacttgg tttatatctg attcaatgtt tagcattgac 360

catgtttctg atgacatatt gtaagatgcc tccatgggtg aagtaagcta gttcaacctc 420
 tgtatcaa atctcagtgtag atacaaatga tttcccggca tctgtcacca ctgtgacatc 480
 ttggccgggt cgtatttcat tcacattgct tggtagatca atgggtg 526

<210> 12400
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140a03d1

<400> 12400

cttgggcacc atggaataaa acaaaaaaca aaaaccaaaa aaaaacaaaa aaacaaaaaa 60
 aaaaataaac cagcaacaac aaccagagca aaaaaccaca acacaaaaga ccaaaaccac 120
 ggaacccaag aaaggacagg tacgccgcct caaaacaccg aatggacacc caaagaatgg 180
 cccccaaact gccaccacca aacgagcaca accgactgga tccaaaccac gtgcaaaac 239

<210> 12401
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140a05d1

<400> 12401

aaacgagtga cttcatcgca tgtatcatgc gtgcataaag tacaccaagt gtccatcata 60
 aggtctagct attaccatac acgatatcaa tccatgacaa tttcatagcc caacatcaac 120
 gacttatact tcagaactca gcctaaaaga tctttgttta gctccacatt caacacctac 180
 cacctattta cattctacaa ctgaatgcag ctcaactgct atcactcaga attatacgtt 240
 tgctctcgct ggctcctggc atctgctatc ttggattctg tacgtccaat ctctctttat 300
 cacaggagcc ttccttctgc ctcaagacgg atcggaaaag aggagagtta acatgggtct 360
 atgcatggcc gtatactgat cgctaagatg aaacctt 397

<210> 12402
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140a06d1

<400> 12402

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aaacgattga cttcattgca ggagtaatgc gtgcataaag tacacctagt gtacattata 60
aggactagtt ataaccatac acaagatcaa acaatgacaa tttcaacgcc caccatcgcc 120
gacatatact tcagaactca gcctaaaaga tcttagttta gcaccacatt caacacctac 180
caactattta cattctacaa ctgattgcag atcagctgct atcactcagg aaattatagg 240
tccgatctcg ctggcttc 258
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<210> 12403

<211> 399

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140a07d1

<400> 12403

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attcataatt taaacgtttt acttaattgc atggataatg cgggcataaa gggcaccaag 60
tgtacattat aaggagtatc aattaccatg ttatgattca atgacttcca atatcatgat 120
acacataact gggcctaaac caaaagaatg cactctgacg gagcttcggt tccctccacc 180
tgcaatacag gggaggacat tacaaccgac aagtgcaaac tgccaacccg atatgaattc 240
caaaccatag ggactatgtc tctgacatct gcaattcaca ttcttaactc ttgtgatcag 300
gatggaatgt gctgacacgt gcagtgattc atgagtcaaa ctgttacgga ggctgtgaca 360
gtgaactggg tagcacagtc gaacatgac atcctaaca 399
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<210> 12404

<211> 303

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140a08d1

<400> 12404

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agtcattgca tgtataccgc gggcataaag ggctccgagc ggacattatt gggagcatca 60
tttcccatgt tctgatttaa tcaactgcaa tatgatgac cacataactg ggcaaaaacc 120
aaagaatgcc actctgacag acacctcgta cctcaacaca tgcaatccag gggaggacat 180
```

tacaactgac aagtgcatac agcctacccg agatgaattt caaatctttg tgactatagc 240
 tctgccgtct gcaattcaga tttttaactc ttccgatcag ggtggactgg gcatataagt 300
 gca 303

<210> 12405
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140a09d1

<400> 12405

cttgattgta tgaattatgc tggcatcaag ggcaattttt gtacatgatc aggactatga 60
 attatcatat ccactattaa acaataccag ttccataact cacaatatgc tgagatatac 120
 ttaagactac tttctaaaag atcttagatt atctccacat tcaatacctt ccaactaatt 180
 acactcc 187

<210> 12406
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140a10a1

<400> 12406

cccgaatttt ttagttctgc tgaaactttt gatgaatggt ctcaaactctc tgggtgaaaat 60
 gaccatcagg aggttgctca acaattacac aaggctctcc gccattttct ccttcgaagg 120
 ttgaagtcag atgttgagaa agggttgcc aagaaaaagg aaactattct taaggtaggc 180
 atgtcccaaa tgcataaaca gtattataga gcactacttc agaaggatct tgaggttgta 240
 aatgctgggtg gtgaacggaa ggcctctctg aacatagcta tgcaactact catatgttgt 300
 aatcatccat atcttttcca aggtgctgaa cctggctctc ccttcactac aggagatcat 360
 ctaattgaaa atgctggtac aatggctctt ttggataagt tacttcctaa attgaaagag 420
 cgcgattcta gggccttat attttcacag atgactaggc tactagacat actcgaagat 480
 tatttagtgt ttctgggata tcaactattgt cgcacgatg gaaatactgg ttgcgatgat 540

<210> 12407
 <211> 384
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140a10d1

<400> 12407

gctggccggc ctgattttgc aaacgttcag catatattca tttcacttgc ggaacaaaac 60
 caaggaattt ttagtagact tgcgtactgg catgtccaca tcccatttgt ccaagatata 120
 ctttaactat ccctacgaca gattttttggg gcctacataa gtcaggtggg actccaggct 180
 tttggaaaac aagcctgacc aaaagtgtgc aagtcccggc cccatgaaaa atcccaaggc 240
 tttgaaaacc caacaaccct tttttgcacc caatatagaa cattgggtca actaatagct 300
 ttttattccc cggggttgca aaatcgcccc tgggtacaca gttgggcttt tttaaaaaaa 360
 agggactctt tgggtgcctt ggcc 384

<210> 12408
 <211> 548
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220140a11a1

<400> 12408

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 gcttctattg cttccagctt gtccaatttc ggtagtgcc a tgcctaaatc cgtaaatggt 180
 ttgggtgggct acgaggggct ggaggttggt aatccagatg gaggaactga agatgctgaa 240
 gaggaagcaa gaaagggacg atggaaacaa gaggagcgag atagttactg gaaaatgatg 300
 caaaagtatg ttggctctga tatcacatca atgggtgacac ttccagttat catttttgaa 360
 ccaatgacaa tgcttcagaa aatggctgag cttatggagt actcttacct gttagatatg 420
 gcggacaaga ctgaggatcc atacatgaga ctagtatatg cttcatcatt cnttatatct 480
 gtctactatg cctatcaacg aacgtggaag ccattcaatc caattcttgg tgagtactat 540
 gaaatggt 548

<210> 12409
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140a11d1

<400> 12409

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 ccaaatttca agcattccaa tcaagattac attacaaaact taataacaaa atgatattta 180
 aaaaaaatag aaagaattcc acaaggatgc tcactattca gcatccaaat tatcatattg 240
 ccaaggggtg aattctgggc tgatgtcagg cacttcaatg cactcagaac tatcaacggc 300
 agcacaatgt tgggtatatt taccgttgta ttggtaaact tccaagtcac cccaaggggt 360
 aggagttact tcatctggta aatcaaacca tctaggagtg aacttatggc ccttggc 417

<210> 12410
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140a12a1

<400> 12410

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 ggtcatgttg caccatttgt taagtctgaa ccattcccg agactaacga tgaacctgtt 180
 aaagtggtag ttggggccag tcttgaggac attgttttca aatctgggaa gaatgttctg 240
 ctggagtttt atgctccctg gtgtgggtcat tgcatacagt tggctccaat attggatgaa 300
 gttgctatct aatatcaaaa tgaacctgat tgtgggtattg gcaaaaactgg atggcacttg 360
 caaacatatt ccaaggggaa cctttgggtg tccaaggtat tcctacgtgg tccttaagtc 420
 agccagggga aaggtatcca cattacgacg gcggtaggac catggaagac atcttagaat 480
 tcatcgaaaa gaaccgggat aaacct 506

<210> 12411

002220 "CTT550"

<211> 303
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140a12d1

<400> 12411

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aaactctaata ccgccaataa aaagctcccg tttttattaa ggaaaacat acataaagaa 120
aaccaaacag atcaaaagat caaaggaaga tagatgcacc tatgggtcac taaattctga 180
taacgagata caaaagggtg tgcaaccac atgtaacttt gtgcctatat atcccatgag 240
acgaaaagct tctttaagc tcattttttc cttgggcttg ctcatctttt ccttggttctt 300
gct 303

<210> 12412
<211> 566
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140b01d1

<400> 12412

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aaaattatct ccatacacat tgaataatcc atcataattc caaatgtcca caaataataa 120
taaataacag accctcgaaa ttagctgaat ttccatgatg tttatgcctt gctgtcgata 180
ttcatcggtt gggcatcctt cgacgtggt ttattactgt caagagaatc tagcttgtgc 240
agtttgttga acatatttcc ataaaatttt gcctcttttt tgttgactc cttcatcttt 300
tccttcaaag tcttgactc aagcttgaca tcctgttgt tagggtaaat ctcaagcgct 360
ttcttaatat caaatcggc caagtctaaa tcagccaact ggatatatgc ctgggccctt 420
ctatagagag ccttcacatt agtactetca aggtccagta cctttgtgca caatttctct 480
gcttgtttat aatcttttaa tttcaacttg catgctgcat tgtctagatt acaggcaacc 540
ctcaaggctt tggagctctt cttctc 566

<210> 12413
<211> 466
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140b02d1

<400> 12413

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gaaacaaatg aaggaaattc atcccagttt tgactttctga ttgagtgaat ccacaagaca  120
cgtatcgaag ttcccaaatt tacacaaatt gcttgggtcag atgacccaaa accaagctat  180
aacagaccca gcagctagac caaaaactaa gaataatata ctcacaatcc ctgcagtctc  240
tgcatgctgc aacattacaa ttttaggaat cagaatcatc aatgcactgg ttaggtagcc  300
attagtaagc cctaacaggc aagtcagtat tgtcacggga atctcagtcc ggaagaattt  360
gggaccatgc aagcaaccta agaagagagg gaaaaacaac aatcttgcta tgcaaccacc  420
tatggcaact tttgcattct gtaggaagta aactgcagtc agacac                    466

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<210> 12414

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140b03d1

<400> 12414

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gtacattgca ataacatata cttcaccaaa cacaatatca aaaactctca aaagtccaca  120
agtcatecctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt agggccaggc  180
attgttggtg actgggtccg caaggtgatc agcaaggttc tccaatggac ctttaccggt  240
gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag  300
ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa  360
gctgccacca gggtagattg ggtcagtgac ctcccgagg ggcccaccag caatacgata  420
acctcaaca gcaccatta ggataacttg ggtggcccag atggcgagga tgctctgggc  480
gtggacaaag cttggg                    496

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<210> 12415

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140b04d1

<400> 12415

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agttctcggt ataaccatat ccaaaatcaa accattacaa taacaaagac caacatcgcc 120
ggcatatact tcagaacaca gccaaaaaga tcttagttta gcaccaaata caatacctac 180
cacctatddd cattctacaa ctgaatgcag ctgagctggt atcactcagt cattataggt 240
ttgttctcgc tggctttggg tttctgctct tttggcttct gttcgtccga tttcctctta 300
tcagaggagc ctcccttctg gctgaggaag gatcggaata gaggagagtc aacgtcgtaa 360
atcattgtcg tttactgatg gcaaagatga aaccctagtt ctagttc 407

<210> 12416

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140b05d1

<400> 12416

atcgattgac tttattgcag gggtaatgag tgcataaagt ccaactagtg tacattatca 60
gggtctaatta ttaccatata cgctattaat caatgacaat atgatatccc atgatcgacc 120
agttatcctt atgagcacac tcttaaagac ctttggttac ctccacattc aatatctacc 180
tcctatatag actctacatc tgaatgcagc tcaactgcta tcactta 227

<210> 12417

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140b06d1

<400> 12417

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aggtctatct attaccatac acgatatcaa tcaatgacaa ttacatagcc caccatcgcc 120
gacttacact taagaacaca gcctaaaaga tctttgttta gctccacatt caacacctac 180

caactattta cattctacag ctgattgcag ctcaactgct atcactc

227

<210> 12418
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140b07d1

<400> 12418

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ataaccatat acgatattat acaatgacaa ttccataacc catcattcat cggattatcc 120
taaagatcac accctaaagg acctttgggt agcaccactt tcaataccaa ccaactattt 180
acattctact gctgattgea gatcagctgc tctaacttag aaatgtat 228

<210> 12419
<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140b08d1

<400> 12419

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tataaccata tacgatatta acaatgaca atttcaaac cccaatcga tcggttaatc 120
ctaaagaact caccctaaag gatctctgtt taactccact ttcaacacca agcaactatt 180
tacactctac aactgattgc agcac 205

<210> 12420
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140b09d1

<400> 12420

cttaattgca tgaaaaatac gagcataagg gcaacctagt gtacattatc aggactagtt 60
attatcatat acaatattaa tccatgacaa gtagactgcc catcataatc ggtttatata 120
ttagaactct gacaaaaaga tctttgatta gcaccacttt caactcgtac caactattca 180

gattctacac ctga

194

<210> 12421
<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140b10a1

<400> 12421

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taccaggacc tccgagccct gctgatacac aagggaggct accattatgt caggatcacg 120
gacaagccat atccaatcga gaggacaccc cctgcaaagg agaacacacc cataactacc 180
gagtgataac agctg 195

<210> 12422
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140b10d1

<400> 12422

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tcatatacga tattaacaa tgacaatttg attgcccata atatctgact tatccataag 120
ccctctcaca aaaagatcta tgaccacctc c 151

<210> 12423
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220140b11a1

<400> 12423

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tcttactttg agagaatgca agctacgact aggaaatggt acctgaatat tttggaggct 120
gatagaacac agcccccaaa gaaaactgaa gatgggaagc tatatacccc agctgctggt 180
gatctcttca ggatacttgg tgagcaagta caaattgttc gggataatag cactgatctc 240

aagtaattag gtataataat agtataacta aagcaaaaaa aaagacagta atatgggaag 180
 gggtaggggtt cagctgaaga ggatagagaa caagatcaat cggcaggtaa ctttctccaa 240
 aaggagagct gggttactca agaaagcaca cgagatctct gtgctctgtg acgctgaggt 300
 cgctttgatt gtcttctccc acaaaggaaa gctctttgaa tatgccaccg attcttgcatt 360
 ggagaagata ctggaacgct atgaaaggta tgcctatgca gagagacaac tt 412

<210> 12426
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140b12d1

<400> 12426

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 gcttaattag ttcagatagc agacctgtct ttcagcaact taactatata tagcaaagct 120
 ttcacttaag aaagcctagc cttgtgacca aattataaac ttacaacaca caataaacat 180
 taacgtctgc agagtaggga aaaccacaaa acatagaggc atatataagc cctcaaatat 240
 gttgtcaaat gccataccaa agctatataa tatcatccac ctcaaagaaa gtattcaaaa 300
 gcatccaagg tgacaggaat ataatgggtc cagagtcagg tcaagttcat tcctccctac 360
 ttctgatgct tcctcacggt aattgccata taacgaagat gtaacataat tataatatct 420
 tgttattgaa aggtcacccc atgttcaaaa gtggctgcgg tagcaagaaa gatgcattaa 480
 ctccgtgggtt tggatgctcc cattgtgctt gctgcgctgc aaccttttct ttct 534

<210> 12427
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c01d1

<400> 12427

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 tgaatgtgtg gcagggtgat aaaaatgaaa agagaagcaa caataataaa gtgaatgaga 120
 aatttaaata tcacggacta aaatatctat tcaactgaaa tttaaatgtc acggtctctt 180

ttgcactcag gaggagagat atgaggatag cgtttagtgt cagtgcagta gttgtagatg 240
 gtgtatttct ggcgcaccca tctgagccta cgccactggg cggcgtcaag gtcacggaac 300
 tcaggctggt cccaccacct cttgccctgc gtgtcgcaga acttggcggt caccgaagcc 360
 tcgcacccgt cgatgtgaaa ccccttgtag gctgcta 397

<210> 12428
 <211> 399
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c02d1

<400> 12428
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 tattctgaag taaatgtgac agccatcacc aaatgtttca gtttctcatt ctgagctcat 180
 gagacaggca aaggatgata tggaaaagga accaagaata gattatcttt tcttatagct 240
 gtgactccaa aatcctcact catgtccagt tctccacttc tcattccact tggaagcttc 300
 caatcaaagt gatacaaaa cattgcaagg gctagttccg cagctctcaa agcaaatgtg 360
 cttcctgcgc atatccttct tccagcacca aagggattg 399

<210> 12429
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c03d1

<400> 12429
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 atactactcg ggggccgccc tttttttttt ttttttgttt aggattattc acattatgaa 120
 agattatctg gaatcatgtc tatttaatat tacactgggtg actaatatca aataaaaaata 180
 taatcaatct tacattgaac tatggctcgt ttggtttgat ctaacccac gcttactcag 240
 tagcgttatg acgtatgcc aaggcaacttt agcacctagg ctagagtgac cacgtgacag 300
 gcatatagct gtatcacccc ctagaagcaa caaacattg gctatcaact gtattgatgg 360

ccttcttagg atcatactaa tgtgagattc atcagtaact tgatcatgta agacggtcgc 420
 atctgctgga cagatgttac tcgaaataag gtccaaacaa gcgggtacct tctgcattaa 480
 atccaccgaa gtgctaactg aactcaatag atgatcgctt ataacagaat atcttctacg 540
 tgcattatcc atctt 555

<210> 12430
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220140c04d1
 <400> 12430

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 aggtctctct ataaccatat acaatatcaa acaatgacaa ttacatagac catcatcaac 120
 ggcttatact tcagaacaca gcctaaaaga tctttgggta gcaccacttt caatacctac 180
 cacctattga cattctacag ctgaatgcac ctcaactgct atcactcaat cattata 237

<210> 12431
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220140c05d1
 <400> 12431

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 tcttcttgat cttttcagtc gacagactgt acatcacagg tgtcataggg tgcataaagg 180
 ctaccaatg tgcccaataa ccacggcctc acatacttac catatcacga tactaaggca 240
 attgacaatt ctcatatgcc caccgatcag ctgtcgtaca ctaacagatc ccatgtctaa 300
 aagaatcttt gggttaacacc actttctaca cctacctact atgtacattc tacaactgat 360
 tgcagctcag ctgatctcag tcagtcatta tagcttggca ctctagtacc tttgggactc 420
 agctctctac tcttcggcac ttcccactat ctattatccc tgg 463

<210> 12432
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c06d1

<400> 12432

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 ggactaacta ttaccataca cgataccaaa caatcacaac ttcatttccc accatcgacg 120
 atttacacat aagatctcag cctaaaagat cttagtctat caccacattc aacatgaacc 180
 acctattgac actctacatc tgattgcacc tcaactgcta tcaactaaaa attatactcc 240
 ttgcaat 247

<210> 12433
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c07d1

<400> 12433

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 tgtacatcat aaggcctaag tattaccata cacgatatta tacaatgaca agctgaaacc 120
 ccaccatagc agacataaac aactgaacac agtccaaagg ctcattggat acctacacat 180
 tcaacctctg cacacaaagg agactcca 208

<210> 12434
 <211> 200
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c08d1

<400> 12434

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 attaccatac acgctattat acaattacaa tctgacagac caccgtattc gatttaccca 120
 tcagaacaca gtctaaaggc acactgttta cctccacatt caacacctgc caactaaggc 180

cagtccactg ctgattgcag

200

<210> 12435
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140c09d1

<400> 12435

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tgtacattat caggtctatc tattatcata tacaatatta aacaatgaca attacataac 120
ccaccattaa acgacttata cataagaact caccctaaaa gatcattggt tataaccaca 180
ttcaacacct tccaactatt tacactctac acctgattgc agctcaact 229

<210> 12436
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140c10a1

<400> 12436

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gacgagcaac aaccaacaga gaagacaccc agtgcaaagg agatcacacc cataacgacc 180
gagtgatagc agctgtgccg aatgaagacg cagaatgaaa ataagtggtc ggtaccgtgt 240
ctggtgctaa agtaaaagct taacgggtgc aagatgaagc atctgcagct gatg 294

<210> 12437
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140c10d1

<400> 12437

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acaccaactt gagccctaag aactatcata tccgatatta ccacaggaca attagactgc 120

acactataca ccgtactacc cataagaact cacacaaaaa gatcattggt tatcaccact 180
 ttcaacacca tccaacaatt gacactctac acctgaatgc acctcaact 229

<210> 12438
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c11a1

<400> 12438

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 gtccacaagt ctgatggta tctcttctgc ttcactacag tagccacca atcgtgtgca 120
 ttcccgtat agtcaacaga cattgctgcc agatgtaggc agttctcaga ctgaagaaca 180
 gcacagcat cggctacttc ctgatgattc aacaatagaa tctattgcta gcaactgggat 240
 tggcaagaat ctcataaatg aagatgattc aaaatcagca tatactgtac attctcctgc 300
 agcagcgtct gcctctcttt cagaatctga tcaaacttac agggatcttg atttgactcc 360
 tgaccaacca ttacaatcta atgaaccaac tggcaacctt ggtgtcatcg gaaga 415

<210> 12439
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c11d1

<400> 12439

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 ccatataaga tattgatgga cccatttag ataacttg agttacccta ttgtacgcag 120
 atttttagat ttatggatct ctcatataaa ccactttcct tcttaccxaa ctaattacac 180
 cttaa 185

<210> 12440
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140c12a1

<400> 12440

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gtttcagtta ctaagaagca aaaggagcac cgcaccgcac agcggatgca gagaaaaacc 120

taaagtggcg gaagatgacg gaggtggcga gatcagtggg gcacgacgtt ttggggcaaa 180

gggtggtcga cgtggaccag ccaatcgtcg attacatcgt aaacgtcctc gccgacgatg 240

acttcgattt cggcctcgac ggccaaagcg ccttcgaagc cctcggcgag ctctcgtcg 300

ccgtcggtcg cgtcgacgat ttctccact gccgtccgt gtgcagcacg cctgtgcgac 360

aagttcggga agcacggtt ggtgaaggag aagcccg 397

<210> 12441

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140c12d1

<400> 12441

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ttttttttga aaaggaggga aagggttaaat tatccatttt ataattataa ggggttttaca 120

aaatttttta ataggtaatt taaccctggg gtaataaaat cataaaatgg ccttgaaata 180

catagggttg gataaattgc aaaattggtt gacagctgag aggaaccgc 229

<210> 12442

<211> 345

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140d01d1

<400> 12442

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acagattaag ttgcaaccga tctgggctca gagtctagat gcatttaaca gagggatctg 120

tatacagaag aaaatgtgac aggcatacacc gatatggaga catggtcatt ctaagcgaac 180

caaacaggca taggggggacc agtccaagga cccgggaagc gaaaggcctg gaagatagtc 240

gtgaccaaag ggccttcact gaggtgcagc actagagttt tcattggagt cggaaactac 300

caatggaggg atacaacaac ctggcaaggg cctaccccggt atttc

345

<210> 12443
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220140d02d1

<400> 12443

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ttgaagtaaa actgtataaa accgcaatat caagggtgta atatcttact tattatgcac 180
cttaatatat cccacatgtg aggaattggc ccctctagta agggtttgaa gatcataagc 240
taccacaacac cttgaattct ccttgtggca gaaataaccc acacacttgc aatccttggt 300
gcatttggtt ccacaagtac tctcactcac tctatccctt gtagtgtatt tgctcatgta 360
atgctcaact tcttcaattc tgtagaagtg gaaatcacta gcctcgcatg atgtcacagc 420
cttggcagtg caattgggtgc tccaacatg tagtccattt tccaatggac aagccacaca 480
ttgggttatct tcac 494

<210> 12444
<211> 333
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220140d03d1

<400> 12444

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cagtcaccca tgtcaccact gcaagaatta gccaaactgcc aactcattga acccaggcaa 120
tgtgggtatcc aaaagcactc ggggaataga acgataggct accccgactt attgtcctat 180
cctactattg agctctcaat gctgatatga aactggtaa catagcctg gtacaaaagg 240
atcgctatcc ctgccaatg gcctctgcaa tctataaagt gtcttagatc accttgctgg 300
atccaacgac ggtaaccatt gtatgcaaat gac 333

<210> 12445

<211> 223
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220140d04d1
 <400> 12445
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 ggcgtatcca acggtgcaca tgctaaagga tctttgggta ccaccacttt cagtccttgc 180
 caactattca gattccactg ctgactgcag ctcaactgct atc 223

<210> 12446
 <211> 213
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220140d05d1
 <400> 12446
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 attaccatac acgatattaa tcaatgacaa ttacaatgcc catcatcaac gacttacact 120
 taagatccca gcctaaagga tctttgggta tctccacttt caacccttcc gcgctattta 180
 gattctacat ctgattgcag ctcatgggct atc 213

<210> 12447
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220140d06d1
 <400> 12447
 gatccttgaa tcgcttgaca cttattgaag ggatattgtg tgcttgaagg ccaatgtgtg 60
 ctcataaccc ggccgaacaa tcagcaaaca cgatactagg caatgtcatt ctgaatgacc 120
 aatataatcg ttgtacccta aagttccatt tcttaaagat ctgagtgtaa taactccttc 180
 ctcgtagtag ccatctagtt ccttggatta ttgattccac agctgaagat cataggattt 240
 actttagtct tgccactcta tatcattggg accaaactta atagtgatcg gcagtgcag 300

ctatctattc tacctggaaa cttgggt

327

<210> 12448
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140d07d1

<400> 12448

aaacatatat ttaacgcttt ttttaatcgc atataaaaca cgggcataag gggcaacttg 60

tgtacataat aaggactatt tattatcata tacaatatta tacaaccaca atttgaaaac 120

ccataagttc acgtttaatc cattcgaaca ctgactaaaa gatctttggt taacaccact 180

ttcaacatca acaaactatg tataactcaac tcatgattgc agcacaactg c 231

<210> 12449
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140d08d1

<400> 12449

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tgtacattat caggtctatt tataaccata tacgatatta aacaatgaca attagataac 120

ccctgattga cgtcttatac taaagaactc agtctaaagg atcattgttt aacaccacat 180

tcaataccaa caaactatgt aactctaca tctgattgca gctcaactgc 230

<210> 12450
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140d09d1

<400> 12450

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gctctactgt acagggatcc cgaaccata ctgcacctct gtccatgacg ccatgctagc 120

agatgttgtg tctcctgcac agaattgtctc tgcccgaacg atctatggaa ttgatcactc 180

acaaatactg caggctatct agaaccctaa ggtgctgacc aacaatgagt tctcactgga 240

<210> 12451
<211> 297
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140d10a1

<400> 12451

gtacaagaac tagggtttga tctttgtcat cacttaacga caatgatcga cgacgttaac 60
tattctgacc tccgatcctt gctgagacag acgggaggct actatgatga caggataact 120
gacgtgcaat aaccaaccga gaagacaccc agtgcaaggg agatcacagc cataacgacc 180
gagtgatagc aggtgctctg aatgcagtcg ctgaatgaaa atgggtgggt ggtatcgcat 240
ctgctgctaa agcaaaagct tagcgggtgc gagatgatgc atctgcacgt gatgttc 297

<210> 12452
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140d10d1

<400> 12452

atacatatat ttaacgattt attctattga ataaaaata cgggcatcag ggacaccttg 60
tgtacattat cagcactaac tcataccata tacaatatga aacaatgaca ataagattgc 120
acacgatcat cgatgtacac atatgattac gctctgaaag atctttggct atcaccactt 180
tcaaccctt ccagctatgt agaacttaca gctgattgca gatcatgcgt tct 233

<210> 12453
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140d11a1

<400> 12453

gaacattaac taggattgga gctatgccat cacttgacga caatggggac ttacgttgac 60
tacgctgact tacgatcctt gctgtgctgg gccgcagcct catataccaa caggatatct 120

ttcgaācaat aatctacatg caatacgcacc agttcaaata cgatctcaag cttaactacc 180
gggtgagtga aggtcttgcc cacaagatct gcgattgact tatattggta ggtatctcat 240
tggtgctac aacaaatgct tcgccgttgc accatg 276

<213> Glycine max

<223> Clone ID: jC-gmf102220140d12d1

<400> 12456

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 ctcttgtaag catcatttca catgatatga taaaattaca acaaaaattc tgataaacat 120
 aactgggcaa aacatgaagg aatgcgcttt gagcaagaac cataacctta tgcggctat 180
 tcaggggagg acattacaac tgataagtac aaattgccaa cccaagatgt attccaatcc 240
 tttgtgacta tagctcttct atcttcaatt caaattttta actcttctga tcaggggtga 300
 atgggcgtat aaatgcagaa ttcatttgcc aaacttttag cgaggctgtc acagtggcct 360
 cggtagcatt gttgaacaag aacaacctag cagggtccata gattgccttt gttggataaa 420
 cccgagatgt cacaacc 437

<210> 12457

<211> 395

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140e01d1

<400> 12457

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 aaactccaaa agggctacaa atttaagagc cttccagaaa aaatggcttt caaccttaga 120
 taccaaataa gtaaccttgg attcttccaa ttatgggatg attaataaga aacaaatgct 180
 tcaaaaccaa gcctaaatgg ctaatttctt gacttcttaa tactcgggct cgggagcctg 240
 tttaccaccc tgagaacctc cggtgagga accgccactt gaaccacctg taatgggccc 300
 tccaatcttg gagacaggtt tgtttgccgc attaagcttt gccttaattt cggcagcctt 360
 ggctcccggc attggtgttc tcaaatecca taccg 395

<210> 12458

<211> 480

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140e02d1

<400> 12458
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 aaaacaagaa ccacggtaac acgaaaccat aaagaaactc gaactcaaac cacaacaact 120
 aaaaatacgg ggcataatca taaaccctaa ttgacgacat caagccttag tttctccagc 180
 cttcatcacc accattacca ccacgagagt aaccacggtc tgtgccaccg gcataaccac 240
 caccaccacc agcaccatag ccaccggcat aaccacggtc acggctacgg tatccaccac 300
 cgacaccgtc accgtcacta cgaccaccat attcaccgcc accacgattg gatcctgctg 360
 ctcttctggc gacgtcgacg acgacaccgc gggactgagc ttcattgaca gtgatattac 420
 ggccgtccaa gttctgtcca ttcacgcgtc cgatcgcac tttcatggac tgctccgagg 480

<210> 12459
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220140e03d1

<400> 12459
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 tagtgaacag gaccaggcca caatacactg aactcgaata tgatgcgaag cccataccat 120
 tgcccatact cgaagaacca cccatcctag ctacatggat atgatgaata catcatacgc 180
 tatatactcc agacctcctg atgagaatct acggacttgt ggactacgaa tgctatcctg 240
 acgtcataac aggtccactc tgattggaca gtggcatctg cagtctgcag gtggcggaga 300

<210> 12460
 <211> 219
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220140e04d1

<400> 12460
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 aggactatattt attaccatac acaatattaa tcaatgacaa taacattgcc cctcatcgac 120
 ggcatatgct ttagaacaca gcctgaaaga tctttggcta tctccacttt caataccttc 180

caactattta gattctacaa ctgaatgcag ctcaactgt

219

<210> 12461
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140e05d1

<400> 12461

aaacgcttga cttcatcgca ggtatcatgc gtgcataaag tccaacaagt gtacatcatc 60
cgggtctatct attaccatac acgatatcaa acaatgacaa taacaacgcc ccccatcaac 120
gacatatact tcagagctca gcctgaaaga tctttgatta tcaccacttt caacacctac 180
caactatgca gattccactg ctgaatgcag ctcaagtgt atcagtcaaa cat 233

<210> 12462
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140e06d1

<400> 12462

aagcatatat ttaacgcttg actttatcgc atgaaacata cgggcataaa ggccaacatg 60
tgtacattat aaggcctaac tataaccata tacgatatta aacaatgaca atttcatagc 120
cccccatcga cggcttatcc ataagaacac agtctaaaag atctttgggtt aacaccacat 180
tcaacacctt ccaactatgt agattctaca actgaatgca gctcaactgt tatcact 237

<210> 12463
<211> 338
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140e07d1

<400> 12463

tgatcatgtc atgatccctg cgggtgggga cagatcatgt attccaatac cgggtttacg 60
cgctcactcc tcggcggccg cccctttttt tttttttttt taaacatata tttaacgctt 120
ttcataatcg aataaataat acgggcatca agggcaactt gtgtacatta taagggtctaa 180

acttaatcgt atgaataatg cgggcatcag ggcaccatg tgtacatcat caggactatt 60
tattaccata tacgatatta aacaatgaca ataagatagc ccatcatcgc tcggtttacc 120
cttaagaaca cactcttaag gatctttggt tatcaccaca ttcaacacca accaactatt 180
tacattctac agctgattgc agctcaactg ctatca 216

<210> 12467
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140e11a1

<400> 12467
gtacaataac taggtttgga gctttgccat cacttggcga caatgggcgc ctacgttgac 60
tatgcccact tacgagcctt gctgagccag tcgggaggct cctatggcga caggatatcg 120
tacgtgcaat aatccagatg ggatacgacc agttcacagg cgatcacaac cttaactacc 180
gagtgattgc aggtgatgag aactggagtg cagaatgaaa atgggtggta ggcacgcac 240
ttgctgctaa agca 254

<210> 12468
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140e11d1

<400> 12468
accgaatgac ttatttgaat gagtaatacg ggcaaaaatt cctccatgtg tacatgatca 60
ggcctaatta taaccaata caatattatt caatgacaat aacacagcac aacagtcacc 120
gatttgcct taggaccacg gactaaagga actctgacta tcaccacgtt cagcaccagc 180
caactatgga cactctacac ctgattgcag ctc 213

<210> 12469
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140e12a1

<400> 12469

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 ctccaaaaat agcctccgta gtgaaaccac cggttcacia accaccaaaa ccatgtgcac 180
 cacccaagtc atcttcaaaa cacaccccat gtacaccata cctatgttcc aaaacctcct 240
 cactacccta aaccaccatt tcatacacac acaccccatg tgccaaaacc tgatgcaaag 300
 cctacagtgc attcccatcc acctcatgtc ccaaaaccac caattgagcc agttacacca 360
 ccatatggtc caaaaccacc aattgagaac cctccctatg tcccaaaaca cgctgctgag 420
 ccagttacac caccttatat ccctaaacca ccagtagtga caccaccata tgtgcctaaa 480
 ccaccagtag tgccagttac accac 505

<210> 12470

<211> 357

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140e12d1

<400> 12470

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 atcagtattt cccccatgt tctttatgta agtatacttt gaacacggaa ggaaccggaa 180
 catggtgaat gacatgacga aaaaagcaag acatatatgt aaagttgatg tgaaaactga 240
 ttaaagaaga aacgccagac agagagggat gaaaaatatt actttgggcc tgggagcatt 300
 accatcataa ttaatgatat attaactaac tttcagcaca ctgaacca tctggtg 357

<210> 12471

<211> 601

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140f01d1

<400> 12471

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agtaatttta tccaactaaa ctacatcaaa actaggaaat ggaaagattc cttcatgaat 120
 atagcagacg cgataaaagt tctatagtgc atttaagaga caaaattcaa cggataaaat 180
 ctcaaaagac aaattaaatt acaaaccaaa aacattgaat aaaaactacc aagcactcaa 240
 agtctattca tctcctaaag atttaagcag cagttgcttg ttgggcggca atccttttcc 300
 tagcttcctc aatgattgat agcttaatac ctttaccctt gggaagagat atccacggtt 360
 ttgttccctt gccaatggtg aacacattgc ccattcgagt tgcaaattca tgcccagtag 420
 catcctgaac atggatagtc tcaaagcttc ccttatgctt ctctctgttc ttgatcactc 480
 caacacgacc cctattcctt ccacccgtca ccattgactac attcccaaca tcaaatttga 540
 tgaaatcaac aatcttgctt ttctccaaat ccagcttaat ggtgtcatta gccctgatga 600
 g 601

<210> 12472
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220140f03d1
 <400> 12472

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 acctgctatt tcaaacaatc aaataatttt gttccaacgg cctcatcact gagaatgttg 120
 agtaccgaag aaaaaaata ttaaaccaga tacactagcg ggagctgccc aattcacaga 180
 acaatgtaca ttgtgctgaa caagagcaaa tgcaattctc ttacaacaga cctaataaac 240
 tcccatccat tgagtacctt aggctctgag aagccaaact tttcgtcaat agccactgca 300
 ttaggattga atagaagcac tttctacttc tgggcattgc tcttctgggc ttcaccatca 360
 aaataatagg catccacaaa ttttcctggc taactaattt gtctgcattg atttcagaca 420
 gatccacag ggatcatctt tagagctgct gcaattggca tgccaaggac tccaagaga 480
 aactaccaa accact 496

<210> 12473
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140f04d1

<400> 12473

aacgcttgac tttatcgcat gtatcatgcg tgcatacaagt ccaacaagtg tacatcatca 60
 ggctcacta ttaccatacc cgatattata ccatgacaat tacatagccc cccatagcag 120
 tggtacactt cagttcacag cctaaaggat cactgggttaa ctacacattc atcccccttca 180
 tctattcac actctacatc tgattgcacc tcaactgcta tcaactcag 228

<210> 12474

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140f05d1

<400> 12474

tctgccttt ttttattttc ttttttttat tgcataatatt tataacgaca tgcacataac 60
 tcgcatggaa gtcatagcgg tgcatacaag tcaactacaat gtgtacattt atacaggcca 120
 taactatata ccattactac gactatcaaa tcacatgaca atatacaaag caccaccagt 180
 cgcaagactt actacttaag aacacatgcc taaaagatct atgtttatca ccactttcaa 240
 caccaaccaa ctattgagac tctactactg attgcagctc aact 284

<210> 12475

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220140f06d1

<400> 12475

attgtatgaa taatgcgggc atcaaggcca acatgtgtac attataaggc ctaaataataa 60
 ccatatacga tattatacaa tcacaatttc atatcccage atcccacggc ttatacataa 120
 gaacacagac taaaggacct ttgggttaaca ccactttcaa tacctaccta caatgtagat 180
 tctacatctg attgcagctc aactg 205

<210> 12476

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220140f07d1

<400> 12476

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agtctatatc atgagtgcgt cagtatcgac tacgcaagat cattaaagta ataccacggt   60
agatcacgct cactactccc tttttttttt ttttttttaa acatattttt aactattttt  120
tttattatat aaataatacg ggcatacagg gcaacatctg tacattataa ggacaaaata  180
taaccatata cgatattata caatcacaat ttcattattac agaaatccct gtcttataca  240
taagcacaca gactaaaaga tcaaagggtta acaccacctt caatagttac ctacaattta  300
aattctacat ctgaatgcag gtcaaagtct                                     330

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<210> 12477

<211> 329

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220140f08d1

<400> 12477

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tcacttgctc ggcggccgcc cttttttttt ttttttttta agcatatttt taacgatttt  120
cgttatcgga tgaatgatgc gggcataaag gtcaacaagg gcccatcata aggacaaagt  180
ataacgagat gcggtattgt tcaagcacac taagatgctg cctcagtggc tgacgcatgc  240
atcagaacac aggcttactg atcattagat gtcgccaaat tctatagctg actacgatat  300
agatgcgaca ggtgactgca agttagcgg                                     329

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<210> 12478

<211> 318

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220140f09d1

<400> 12478

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agctcatctg cagcggggttg ggcgatacgc atccatcccgt gtctaccgct cactagccgg   60
ggtcgcacctt tttttttgct atgcaaagga acatttcaga ctttttgaag ccgtcgagcc  120

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tcgcgtctca ggggaagcaa ccgtccagga aaacgactca taataacat acacgatatt 180
 aaacaacgac aattacaaat ccatacatc atccaagtat ccatacgaac actgtcaaaa 240
 ggatctcagg ctagctccac tttcaacacc aaccaactat ttacactcca caacggaatg 300
 cagctcaacg gttatcac 318

<210> 12479
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220140f10a1
 <400> 12479

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 gacgagcagt agccaaccga gcagaaaccc agtgcaaggg agaacaaacc cataacgacc 180
 gagtgatagc aggtgagctg aattccagcg ctgaatgaaa atgggtggta ggtatcgtgt 240
 ctggtgctaa agtaaaagct taacgggtgc gagctgaagc atctgcacgt catgttgggc 300
 ttcgatattg gaatggtgcg aatttggata tcgatataac gagcactgat aatggagaca 360
 tgatgagact tggtgcacgc attacaca 388

<210> 12480
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220140f10d1
 <400> 12480

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 tgtacatgat caggcctcac tattaccata tacgatatta aacaatgaca attacaaagc 120
 ccatcatcga cgacgtatac taacgaacac aactacaag acctttgcct agcaccacat 180
 tcaataccaa caaactatct agactccaca tctgaatgca gctcaactgt tataactcag 240
 tatgtaacgt ctgcaatgag tggtccggg catcagcact ttcggagtgc agtacgtgcg 300
 agctcctctt atcacaggag ccatcactcc cggctcaaga aggat 345

<210> 12481
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140f11a1

<400> 12481

gtacaagaaa taggtgatga gctatttcat cacttgccga caatgaacga cgacgttgac 60
 tatgctgact tacgatcctt gctgagccag acgggaggct cctatgacga caggataacg 120
 gacgagcaat aatcgagaga gcagaagccg agagcaagag agatcacagc cataacgacc 180
 gagtgatagc aggtgatccg aacttaagcg ttgaatgaaa atgggtggta ggta 234

<210> 12482
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140f11d1

<400> 12482

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 ggccaaacta ataccatata cgatattaaa caaagacaat aacaaagccc ctgctcgccg 120
 actcatcctt aggcacacac actaaaggat ctgaggttat caccacgttc aacaccaacc 180
 aactaagtag actctacagc tgaatgcagc tcaactgcta taagtcagta atcaaaggcc 240
 agtactgtgt gccttcgggc actcacgttc tt 272

<210> 12483
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140f12a1

<400> 12483

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 tgggttttca ctgatcaagc ccttctgctg gatcttatca agagaggaat ggcagtggag 120
 gatccatcct ctccctatgg ccttcgcctt gtgatagatg actaccctta tgctgttgat 180

ggactagaga tatggagtgc tatccagaca tgggttaagg actacgtctc cttgtactat 240
gccacggatg atgcagttaa gaaagactca gaactccaag cttggtggaa ggaagctgtt 300
gagaagggtc acggtgactt gaaagacaag ccatggtggc ctaagttgaa cactcttcaa 360
gatctgattc acatttgctg cattattata tggactgctt cagcactcca tgcagctgtg 420
aatttcggac aataccctta tggcgggttc atcctaaatc gtccaactct aaccagaaga 480
ttgctcccag agccaggaac caaagaatat ggtgaactta ccagtaatca tcaaaaggct 540
tatttgagaa caattacagg aaagact 567

<210> 12484
<211> 546
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220140f12d1
<400> 12484

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acatgatacg ggtgaacatg ataggagcac aatactatac ataaaaactg acacaacacc 120
ctattagata tgaaaaacta gatagcatcc aattacaaaa ctttaagcata cataagaaaa 180
ttatgcacac ataagtttgc acgtttatct gtcaatgaga ggtacgttgg aaggaaagaa 240
aaccacacac cacacaccac acactctcat tagatagaga tgctgttggg aattcctctg 300
aaagtaaggc cttccccact ggttaggaaga agcacagtgt agggcatctg cgccggtcca 360
ttacggttcc taaggcttga attcttgctc ctccctgaga ttttgtctc aatttccttc 420
agcttgcttc caaacttctt aaaggcttga attgcctttg tgtcatcagt ccaatttgga 480
ttgtccctct gtccaaggta gacctcatca gaagcatgcc ttgacaatat ctctatcact 540
gttagg 546

<210> 12485
<211> 565
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220140g01d1
<400> 12485

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 agtcattgca tccaactaaa ctacatcaaa actaggaac ggaaagatcc cttcatgaat 120
 atagcagacg cgatataagc tctatagtgc acctaaagaga caaccttcaa cgataaaat 180
 ctgaaaagac aaattaaagt acaaaccata aacactgtac acaaactacc atgcactcaa 240
 agtctatcca tatgctaaaag atttaagccg cagttgcttg ttgggaggca atacttttcc 300
 tagcttcctc aatgattgct agcttaatac ctttaccctt gggaagagat atccacggct 360
 gagctccctt gccaatggtg aacacattgc ccattcgagt tgcaaattca tgcccagaag 420
 cattctgaac atggatagac tcaaagcttc ccttatgcat atatatgttc ttgatcactc 480
 caacacgacc gctattcctt gcagccgtca ccattgactac attcccaaca tcaaattctgt 540
 tgaaatcaac aatcttggtg ctctc 565

<210> 12486
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140g02d1

<400> 12486

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 tctaggtttt gcaaccaat caaagggggcc gggacaagtt tccccaggga gaagcggttcg 120
 ttttgtaaaa aaccgcattc ggggggggaag gggctccaaa gggaccggaa aactttgggg 180
 cgggggcctt ccaaatttca tttttggcaa aggggaattt cccaggggccc ggtaaattgt 240

<210> 12487
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140g03d1

<400> 12487

ggttacatat ttattattat tattgtgaga catataatatt ttagcattt aacctaaagt 60
 tcctatagct aacaacagct acactaacta gctaactaca gcttcttcag aagacagagg 120
 aaccagacaa gggatcattc accaaattga atatgttatt ccagcaatgc ttattattct 180

catcagggct	gttcacgttg	cagaggcttc	cgcccccggt	gattattgcc	aggttgtctg	240
cttcctccgt	gccaagtca	tcgttcgagt	catcacacaac	caaagcagcc	ttactatgat	300
catcattgtc	gttattgagt	ccttcaagga	tgacactggg	ggagagtgag	ggaggaacaa	360
caacattggg	attattatat	ttgttcgtac	tgctgatggt	gtctgacgct	ctaaatgctt	420
gcactgccgg	cataatatcg	tcatcttgca	tttgcaaatt	caacattgag	gtgggtgtcgt	480
cttttatgaa	cacaccatcg	tcgatgagtt	gcgctagagg	atacatggt		529

<210>	12488
<211>	387
<212>	DNA
<213>	Glycine max

<400>	12488
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<210>	12489
<211>	186
<212>	DNA
<213>	Glycine max

<400> 12489

<210> 12490
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140g06d1

<400> 12490

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 tgtacattat aaggcctaata tataaccata tacgatatta aacaatgaca ataacaaagc 120
 ccatcattga aaggcttatc ttaaagaaca cagactaaag gatcactgtt taacaccact 180
 ttcaacacca accaactatt tagattctac tactgattgc agctcaa 227

<210> 12491
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140g07d1

<400> 12491

acatcattgc atgaatcaca cgggcatcaa ggccaacaag tgtacattat aaggcctata 60
 tataaccata tacgatatca tacaatgaca ataacaaagc ccatcattca tcgggttacc 120
 cttaagaaca cagcctgaag gatcattggg tatcaccaaa ttcaacacct accaactatt 180
 tacattctac aactgaatgc agctcaactg atatcactc 219

<210> 12492
 <211> 345
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140g08d1

<400> 12492

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 gccggcggcc gccctttttt tttgtttttt tgataacaat ttttattgat ttttggtata 120
 tgatgtagga tacggaggta aagggtaaat aggaccacgc aataccacaa agcataaaga 180
 gaggctgtta tgttatggca ggcaaagggtg tcgggttcagt ggctaaagct gcagcagaat 240

attagcatcc ttagcgtgag aagttggcaa aatataaaga tgagtagcgt aaagatgcga 300
 cgggatactg cgagccgggg gcatggaagc cgcttaacat ttgtg 345

<210> 12493
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140g09a1

<400> 12493

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 tatectgatt tacgatcctt gctgagacag acgggaggct cctatgacga caggataact 120
 gacgtgcaaa aaccgactga gcagacaccc agtgccaggg agatcacagc cataacgacc 180
 gagtgataac aggtgatctg aattaagtcg ttgaatgaaa atgggtggta ggtatcgtgt 240
 ctgctgctaa agtaaaagct ctacgggtgc gcactgaagc atctg 285

<210> 12494
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140g09d1

<400> 12494

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 accatataaa ctattaaaca atcacagtta gaaagctcaa agtcctcgga tgacacatgg 120
 gatcacacac ttaaagagca ctggtttagca tcacattcaa catcaacgaa ctaattacaa 180
 tcacacatct gatagcagtt cagctgttct aacttgaaat taat 224

<210> 12495
 <211> 396
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220140g10a1

<400> 12495

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tatcctgact tacgagcctt gctgagccag tcgggaggct cctatgatga caggatatcg 120
gacgagcaat aaccaagaga gcagaagacg agtgcaagag agatcaaagc cataacgacc 180
gagtgatagc aggtgatgcg aatgacgtcg ccgaatgaaa ataggtgggtt ggcaccgtat 240
ttgggtgctaa agtaaaagct tcacggttgc gcgctgaagc atctgcacgt gatgttggac 300
tttgctattg aaatgggtgcg aatatggata tcgctgtagc ggagactgat aacggagaca 360
tgatgagact tgatgcccgc atgacacatg caatga 396

<210> 12496
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140g10d1

<400> 12496

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attaccatat acaatattac acaatgacaa taacactgca ccaaactatg cgctcctcct 120
tacggccact ctctaaagga gctctgggta tcttcacatt caacaccaac caactattga 180
cactctacag gtgaatgcag ctcaactgat ctcac 215

<210> 12497
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140g11a1

<400> 12497

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tatgctggcc tccgatcctt gctatgccg tcgggaggct actgtgatga caggatgtgg 120
gacgagcaga gaccagagag gtgctaagac gagtgtctaca gagatcaaac ctcttaggac 180
cgagtgatag caggtgatga ggacgacatc gtcgaatgca aattcagtgg tg 232

<210> 12498
<211> 266
<212> DNA
<213> Glycine max

[illegible]

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agaacataaa	aagcccaaaa	aataaccaaa	cacaatatta	aacaaacaca	ataacaaata	120
ccatcgtcac	cgattttacc	ttaggaacaa	acactaaagg	aactcaacac	atcatcaaat	180
tcaacaccaa	ccaactactt	agactcaaca	cctgaatgca	gcacaaatga	tctaactcag	240
ataatcaaag	gtaagtaatc	catgtg				266

<213> Glycine max

<400>	12499
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atccacacca	agacatcctc	tcaacaaaaa	gacttcttat	tttctttacc	tatcaaacat	120
gggagtagta	aaaacactag	accatataga	tagataagat	acggtctgat	acaattcatt	180
ctttagttaa	agtcattctgt	cttcctcaca	ggtcctctgg	gccattaatt	tccttgtcta	240
caatggcaac	accgtcggga	acttccagct	ttacaccggg	ctttgataca	atgctgactt	300
tccccttgag	gataaacacca	gctccaaacc	atacatcacc	agccactttt	agactgtcaa	360
gctcaacgat	actaggaatt	gacttgaagc	ggcccaagaa	gttgctaacc	ttcttaaatt	420
ctgggtcccag	ttcaatagaa	gggttttccag	gattttccct	agctttgttc	cgaatgacat	480
atccgtcttc	caagtgtaga	ggtcagactg	gacaagaagc	aaatctgaag	ttgccttcac	540
aggaaggaat	cgtgatcgag	gaacattaat	ccc			573

<213> Glycine max

<400> 12500

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 ttgatcattc atcattctgt ccaacagtga attctccaaa actgagatat taaatgccga 120
 aactgacctg agatagacag taaccaatat agaagccgcc aacttcgcac tgacagtaac 180
 taacatagaa gaagcctact ttgcacgtaa aagtgactta atgatagcat cactcatacc 240
 atcagcatga gcaaacatgt gaccagaacc ttggagttca tgatagtga tccatggaag 300
 cttttgcgct atgtatcggt gcaatgtaac tggaaccatg agatcctgat cttcatgcc 360
 aagatggaca gagccttcat tatttggaaa tggg 394

<210> 12501
 <211> 555
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220140h03d1
 <400> 12501

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 tcgaccattc atcattctgg ccaacagtga attctccaaa actgagatat taaatgccga 120
 aactgacctg cgatagacag taaccaatat agaagccgcc aacttcgcac tgacagtaac 180
 taacatagaa gaagcctact ttgcacgtaa aagtgactta atgatagtat cactcatacc 240
 atcagcatga gcaaacatgt gaccagaacc ttggagttca tgatagtga tccatggaag 300
 cttttgcgct atgtatcggt gcaatgtaac tggaaccatg agatcctgat cttcatgcc 360
 aagatggaca gagccttcat tatttggaaa tgggtctcca agatcaaggg gactatattc 420
 ccagttaccg aaaccaatat ttaagtcgcg gtggagggtt tcataatcac cttgctgcct 480
 tacctgtgcc acataactct ttctattaga catcttatgc acaagttctt tgtcttgatg 540
 agaaagggtt tccgg 555

<210> 12502
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220140h04d1
 <400> 12502

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aaataaggca gggtttcttaa aaccctgcct aaaaatgcct acttgggcta taagatgcta 120
aacagacact gacctagact taaagggaca acaaccacag caaaggcctt tacctacaag 180
gaggagggta cattgaagac acagcctcaa aaacaactga gactgcccac aagggggaat 240
ttatgccact atacaagtgg aacctccatg 270

<210> 12503
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140h05d1

<400> 12503

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tctcaggatc gatcatgctc actatgtcgg cggctcgccc tttttttttt tttttatttt 120
aatcttttaa agtttttgaa cttcaaagcg gtctaaaggg agccacaaaa gccaaaacag 180
cactaataca gacactttac acacatccac aattatcaat aaggcagggtt tcatataacc 240
ctgaattaaa atgcctactt tttcttaaca catgctaaca gcacaagctc atgaactaca 300
gggccctcga aacacagaca ctgcaaacac caacaataag gaggcaactt tgaagacaca 360
gctacaaata caactgaaac tgcccaaaca cgggtgaattt ctgcatctac atcagtgtac 420
cctccatgta tcaacaagatt gcgaccactt acataacttg gactcatcac ctgccaaaggg 480
aag 483

<210> 12504
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140h06d1

<400> 12504

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ggcctaatta taaccatata cgatattaaa caatcacaat aagatagacc ctcatatcg 120
gcttatcctt aagaacacag cctgaaggat ctttggttat caccacattc aacacctacc 180

aactattttac attctacaac tgaatgcagc tcaactgtta tcacttaata tgtaaa 236

<210> 12505
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140h07d1

<400> 12505

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 tgtacattaa aaggcctaac tattaccata tacaatatta aacaatcaca ataacataga 120
 ccaccatcgt cgacatatcc ttaagaacac aactaaagg atctttgttt atcaccactt 180
 tcaatacctt caaactattc acattct 207

<210> 12506
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140h08d1

<400> 12506

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 gggctatata ttgccaaaga cgatattaaa caatcacagt tgcacatcac cctgtatacg 120
 acttatacta aagctctcac tctcaacgag gattcactag atgcaatgtc aatacctgcc 180
 gacaaattag actccacatc tgagtgcagc acaactggta catgtcaata ggataat 237

<210> 12507
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220140h09a1

<400> 12507

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 tctcctgcct tacgatcctt cctgagccag tcgggaggct cctatgacga caggatatct 120
 gacgaacaga aaccgactga gtagatgccg actgctaact cgatcaaagc cataatgacc 180

gagtataac aggtgctctg tactaagtcg ttgaacgaaa atgggtggta ggtaccgtgt 240
acgctgctaa agtacaagct tttcggttga gatctgaagc atctg 285

<210> 12508
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140h09d1

<400> 12508

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tattacaaa gacgatatta aaaattcaca gtagcacatt accctgtata acagtttata 120
ccaaagctca cactctcaac taggatacac aagaagcaat gtcaaaacct gccacaaaat 180
tacacaccac tgctgaggac aatacaaacg atat 214

<210> 12509
<211> 182
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140h10a1

<400> 12509

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tctcctagcc tacgatccat cctgagccag ccggcaggct cctatgacga caggagaaat 120
cacgagcaga aaccactgg gtatgatgac gactgctaca ctagatcaaa ggcataatga 180
cc 182

<210> 12510
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220140h10d1

<400> 12510

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ggcctcggtta ttaccaaaca cactatgaaa caatcacaat aagaaagccc cggctcaccg 120

atctacccta aggctcacgc cctgaaggat cactggtgat caccaccttc aataccaacc 180
gactacggag atgccaatgc tgattgcagc tcagccgata tcaactcgaaa tgaaaggccc 240
gcaatgtgtg c 251

<210> 12511
<211> 300
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220140h11a1
<400> 12511

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tctcatacca tacgatccat cctgagccca ccagcaggct cctatgacga caggagaact 120
cacgaactga ggtccactgg atagatgacg actgctacct atatcaaagg cttgatgacc 180
aagagatcaa aggtagtgc tattaaccg ttgatgcaa atgcgaggta ggtatcgtga 240
acgatgtgat tgtacaacca tttaggacga gctctgaaac atctgcagaa catgtcgatc 300

<210> 12512
<211> 282
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220140h12a1
<400> 12512

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gctcatacca tgcgcacccat cctgggcaca cctaccggat cctacctcta caagcgaaaa 120
caggcactga ggtccactac attgatgacg actcctgcct atgtcgaagg cttgatgacc 180
aagagatcaa cggcattgac tacaaaaccg ttgctcataa atgcgaggta tatatcgtga 240
actacgtgct tggagaacca tttaggtcga actctgaaac at 282

<210> 12513
<211> 416
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220140h12d1

<400> 12513

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actaccata ggctcacacc cttaaactaac aaagcgtata accaacttca aaaccaccg 180

acaattgaga ctccaacgat gatagcagca cagacgatgt aactagaaat gaaacgtccg 240

caatgctggg cttcgggcat cagcagacat cgagtcagaa agtgcaatgc tcgcggtatca 300

gagaagccta gcttcggacc caggacggaa cgggggctca gagctataac gttgtactat 360

catggtggat atctgctctg aacaatgaat ggctagtaac aggtccatga gccgaa 416

<210> 12514

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220141a01a1

<400> 12514

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attcaagagg acccgacaat ccacaaaagc agaaagagag gttgttatgt tatggcgggc 120

aaaggtgttg gttcagtggc taaggcagta gcagaatata agtatccttg gcgtgagaag 180

ttggcgaaat ataaggatga gtttgctaag ggtgtgtggg gatactggga gctgggggca 240

tggaagccgc tgagcatcgg tgctcggcat cgcgctagaa ttcgcaagga agtcctcctt 300

gctggggaag attggccgta tgatcctgaa aggaaggaga tgaagaccag gaggaagga 360

cacaaatgtg ataggatata cgctgagaag cgcgcaaaca ctgccaagtt gatggagaag 420

atgccccaga tggttgctgga ttacaagaag agaaggtggc agaagaagat gaaggaagaa 480

gaccagggaa aac 493

<210> 12515

<211> 337

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220141a01d1

<400> 12515

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 ggatcgaaaa acgtaaccaa agttaataat ccatttggcc cccaaaacag gtgtaacatg 120
 tcatgattaa atactacatt tctcaatggc acagcttaat gctaaacctg gccaaaactt 180
 gaggaggagc aaaatcaaag ttttcccttg tctctctact tcatcttctt ctgccacctt 240
 ctgttcttgt aatccagcaa catctggggc atcttctgca tcaacttggc agtgtttgca 300
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<210> 12516
 <211> 629
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141a02a1
 <400> 12516

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 gggttactgat ggaattgatg ccagcaacct cactgcaatt atcacaggag gagcaagtgg 180
 tataggcttg gagacagcaa gagtgttggc tcttcgaaag gtccatgtga tcattgcagt 240
 tcggaacatg gtgtctgcaa aggaggctaa acaacaaata ctagaggaga atgagtctgc 300
 acgagtggac gtaatgaagc tcgacctttg ctgagtgaat tctattacat catttgtgga 360
 caacttcata gctcttgatc ttcctctcaa cattttaata aacaatgctg gagtaatgtt 420
 ctgcccattc aagctctcag aggatggcat tgagatgcaa tttgcaacat accatcttgg 480
 tcattttcac ttgacaaacc tgcttcttga caaaatggca canactgcat aagccactgg 540
 aatagagggc aggatcatta atctgtcatc aattgcccac aactacactt attgaagggg 600
 attagattta atagatcaat gaacgaaag 629

<210> 12517
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141a02d1
 <400> 12517

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 cagtggggaa taaaatgctg ggaaacatcc tgatacaacg acggattatg actttaacgg 180
 gaacgggctt tttattgcat aacgggctgg ttttcataaa ctggtgacca caacgaaggc 240
 ttttaatttc cctaagggga aaaccacctt tctgcaaggg cactcaagct ttcgaaattg 300
 gttcgaccaa atcgttactg gaatcccaga gtccctttgc aagctgattg cttttggcgt 360
 gtgaacttgg tttgcattgt ttgcaatcca caatggactt cccagttgca cttttcacgc 420
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<210> 12518
 <211> 635
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141a03a1
 <400> 12518

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 aaggtggccg gcgaggcatt cgtatcaatg gctggttgat cgagactcgg aggactcca 120
 tactgaactc ttccacattc caagagtggg aacagaaaact cgatacgtct catttaccag 180
 aaatggtttt tggggaaaac actttgattc taaaacactt gagcagtga accaacattc 240
 attttaatgc atttgatgct ctacgtggct ggaaacagga agccttgccg ccagttgaag 300
 ttcttgccgc ggctaaatgg aaatttagaa gcaagccctc tcagcaagta atactagatt 360
 acgactatac atttacaaca ccttattgtg gaagtggcac tattgagatt gataaagatc 420
 tgaatgaggg agagacttct aaggaaacca gtgatatcca ttgggaagac tgcaaggatc 480
 aaattgatgt agttgcactt gcatccaagg agcccatact tttctatgat gaggtggtgt 540
 tatatgagga tgaactcgct gataatggag tatcacttct tactatnaaa gtgagagcta 600
 tgctagctc tcggttcttc tgtgcgtttc tggct 635

<210> 12519
 <211> 392
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141a03d1

<400> 12519

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gagctagttt gtcagcaatg aactcgtcaa tttggcaggt aaaacgaatc cctgaggcta  120
ttacttagag ctcaccccaa cccttcctga aaccttcaga caagaacaga gcatgttttag  180
catgcatgga tgagcttata tcctctgaag caatttatgg gtccaaacag gcatggcaaaa  240
gatgaattaa tgtgaacgag gaccctcttg gcttatgggg atttacagtt gtagtccggt  300
gaagggaaag ctccagcttt tgggtcttat gcattctggc ggggtgcccc tggctgacta  360
aactcggact accattcgca ccaaaattaa ag                               392

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<210> 12520

<211> 554

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141a04a1

<400> 12520

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ctctgatctt gcacgcaacc aaagcaaaca agaatgcttt caagactctg attgcggcag  120
agtacagtgg cgtccaagtg gaattggccc ctaatttcga gatgggtgtc tctaatagaa  180
ctcctgaatt ccttaaaatg aatcccatag gaaaggttcc tgtcttgga acgcccgatg  240
gtccagtctt tgagagcaat gccattgctc gttacgttgc tcgactcaag ggtgacaacg  300
ctttgttctc atcttctgcc attgataatg cccacattga ccagtggatt gacttttcat  360
ccttgagat cgatgctaata attatgaaat tatacctacc aagacttga tttgccccat  420
accttctctc agttgaggag ggtgcaaatt ctgcattgaa gagagcatgt gaggccttga  480
acactcatct tgcttgcaat acatacctgg atggccattc tgttacctg gctgatatca  540
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<210> 12521

<211> 420

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141a05d1

<400> 12523

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 tagacaatca agacatgaat aatgaattat caacatatct cgtttgaagc tcctgaatga 180
 actatgctta accaatgaac aaatgcaacc ttgacagtaa cttatctact tttggcatcc 240
 ccctttgatt gaggaggagg aaccgttcca aaaactttat cccacagtgg tgatgtgatc 300
 ccaaagccat agttctggag ccgataatga tgattcaagt gatatttctt gagacttttg 360
 ggcacatcag actttggttg accatggtgt aagtagtaat ggggtgcaatc atacatcaca 420
 tagcccaaca aaatacctac aaacaccgca ggagcaactg aaggggtgca tatcagcttg 480
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<210> 12524

<211> 570

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141a06a1

<400> 12524

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 gatgttattc agcaggctca gtctggaact gggaagacgg ctactttctg ctctggtatt 120
 ctgcagcaac ttgactatag cttgacgcaa tgccaggcct tggttttagc accaactcgt 180
 gagcttgctc agcagattga gaaggttatg cgagcacttg gagattatct aggtgtgaag 240
 gttcattgctt gtgtgggagg taccagtgtg cgtgaagacc aacgcattct atctagcggg 300
 gttcattgtt tggttggtac ccctggctgt gtgtttgata tgctgcgcag acagtcactt 360
 ctgccagatc acatcaagat gtttgatttg gatgaggctg atgaaatgct ttcccagggt 420
 tttaaggatc agatctacga tatatttcag ctgctgccat ctaagattca agtgggagtt 480
 ttctctgcta caatgcctcc tgaggccctt gagatcacta ggaagtttat gaaccaacct 540
 gttaggatcc ttgtgaagcg tgatgagctc 570

<210> 12525
 <211> 461
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141a06d1

<400> 12525

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 aaaggggggg gagactgggt agagtgagaa acattacata acagtttcca aacgcatact 120
 aatttcacatc actacgacgg aggacaaaat ctgatcaaag gagctcatga tcatttgaag 180
 gctgctcctc aacttgcacg ttgtaaaact tctggatgtc aaacagcatt ttctcgatc 240
 cctttgggac aaaattgatc gcaacacctt tccttcgta cctcccacta cgaccaatac 300
 ggtggagata gttctcaggc tgtgtaggga gatcaaagct tataactaga gacacttggt 360
 gcacatcaat accacgagcc aaaagatcag tggttatcaa gacacgggaa gacccataac 420
 ggaattcacg cataataatg tccctggtat tctggtccat g 461

<210> 12526
 <211> 646
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141a07a1

<400> 12526

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 aaaaaatgga aggtgaagaa actgagatga aacaacaatc caggttcaaa aggatttgtg 120
 tgttctgtgg cagcagccct gggaacaaga gtagctataa ggacgctgct attgagcttg 180
 ggaaagagtt ggtgtcaaga aatattgatc tggtttatgg aggaggaagc attggtttga 240
 tggggttggt ttcccaggct gtttatgaag gaggtcgcca tgtaattgga gttattccca 300
 agacactgat gccaaagagag attactggag agacagtggg ggaagtgatg gcagtagcag 360
 acatgcatca aagaaaagca gagatggcta agcactctga tgcctttatt gccttgcccg 420
 gtctgtacaa catggttcca ccaatattcc ctcttaaaaa gtcacgtatc attagacatc 480
 aattcaatat tatgcactat ctaatctaca taaatttggc acattaaata aaaattacat 540

<210> 12529
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141a08d1

<400> 12529

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 cactgagccc gcgtaatacc tctttgctgg taccatacct tctccagggg atgaaatcgc 180
 cacacaatgg tgggcccttc gggtgtccga attggggctg ctttcacgga catgatgggtg 240
 cctcctgtaa tgacaattcc acttggccgc aaagggtttc acctgatgcc cattgttgcc 300
 tccctataat gttcctgtca gtgaagggtga cacatggcca tttctgttgc tgtgctcact 360
 gatacatcta tgccaacatt gcccatactg tcgatccttg tgaccgctta cctacatttg 420
 gtactaagct gtgagccatc tga 443

<210> 12530
 <211> 607
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220141a09a1

<400> 12530

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 ctgccaaaacc cccatttccg cagttcttaa atttggagtc tgatgtctcc gccattgctg 180
 gttaccgaag atgaagggca gtgccatgcc tcgatggtag catctgcac ttcaccatcc 240
 ctgaactggt tctccctaaa tgaggccgga tttaaagaat gcaattacct gggattgtca 300
 gattgctctt cgggtggacag ttctactgtc ccgaatttgt ctgatgagaa aaaggagaa 360
 ctgaatttga aggctactga gttgaagctc ggccctccgg gatcccagtc acctgaaagg 420
 gagacagaac ttttctcggt gagctcaaca taacttgatg agaaaccact gttccctttg 480
 cttcctacaa aggatggaat ctgctcattg tcttcaaaaa ctgtggtctt cggcaacana 540

agagggttttg ctgacacaat ggaccctgag tttcctgggc atgcanggat aaacatgatg 600
ctatcac 607

<210> 12531
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141a09d1

<400> 12531

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cctataaaga ttacaagctc cacaattact aatattcaag gtagcttcat aaggtattat 120
agtagaaaca aatgtaacac aaacaaaaga ccaagacact attatgatac ttgtaaccat 180
agacaacatc ttgaatagca gttaaccatc aaaaccggc attcagtcac ttatatcata 240
agttctcttt ccacactctt catgttccaa taccaactag cacctgctcc tggatttttc 300
catggccctg ggagctaagc caatggcatc agaacccttc atgattttca gtcttttgca 360
tgtgtcaatg aacatatccc atggtacatc tccgacaagc atccagtcac catctttatc 420
ttcataagtg agtacatatt ctgaaccatg caggaggtcc ttcagcttgc tctgactcaa 480
catttctctt cctggagctc catgggaacc acattgacct agagtgaac agctgaacat 540
tttctc 546

<210> 12532
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141a10a1

<400> 12532

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tcaccttgaa aaaagaactt tctgataaaa tgagatcagg atgtgacca atttgtatct 180
gctttgttta taaaatgcac tccaggttaa ttatgtgaca attatttatg aaaacatttt 240
atatatgcta tttttcagat tcttgcggtc aagcaacatg tgtggcttac ctagaatatg 300

aagtgcattgg atttgtttca atgttttggc ataatttaaa ccaatatgaa ttattgtgag 360
 aaattttaaatt ttgacatggt ttg 383

<210> 12533
 <211> 386
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141a10d1

<400> 12533

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 cattgaaaca aatccatgca cttcatattc taggtaagcc acacatgttg cttgaccgca 120
 tgaatctgaa aaatagcata tgtaaaatgc catcataaat aatgggtcaca taattaacct 180
 ggagtgcatt ttataaacia agctgataca aattgggtca cattctgatc tcattttatc 240
 agaaaggcct tttttcaagg tgaccctgat cgacgggtgt tgacatcatc ttcataaatg 300
 gggctcctgt catcttccct agggctcctg ctggggctgt ggctacgccc actagcttta 360
 gggctatcat agttgccctc atcctg 386

<210> 12534
 <211> 589
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220141a11a1

<400> 12534

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 tgcgcctgct acgacatttg cacatttaga tgctactact gtactatcaa gaggattagc 180
 ggccaaaggt atctatccag cagtagatcc tttagattca acctcaacta tgctccaacc 240
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 ttacaaagaa cttcaagaca ttatagctat ccttggtctg gacgaattat ccgaagaaga 360
 tcgcttaacc gtagcaagag cacgaaaaat tgagcgtttc ttatcacaac ctttattcgt 420
 agcagaagtt tttaccggtt cgccggagaa atatgttagt ctacgagaaa caattagagg 480

gtttaaattg attctttctg gagaattaga tggctcttct gaacaagcct tntatttggt 540
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<210> 12535
<211> 365
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220141a11d1

<400> 12535

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tattcaaatt aggttgtgct atttcaagag tttgctgcgc ttcttgggga tcaatgatac 180
tacccttttg cgtctaattt actaaaccag cgatctcagt agtgagtatc ctagcaaaac 240
cgctcatcaa caagatcggt aaccactggg cgttatgaag acctgtggca aaaatcccta 300
ttgccagcgg tgctgcggca gacgcacat ctgtggttga tgagattact gcgttcgacg 360
tggag 365

<210> 12536
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220141a12a1

<400> 12536

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aacccttccc cccgccatgg cagcgtatc ccggtcctcc cccgcgcgcc tcctctactc 120
cctctgctgc accactgcac tcgcggtcac cggcgtcgtc cctcatcggc ggcgccttcc 180
atctccggca cttttcagcc gggaacgcgg tgcgcacgat gccggacaag gagccgcggc 240
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agacaactct gacggagcgg gttctgtact aactgggtcg gatccacgaa atccacgagg 360
tcaggggcag ggacggcgtc ggcgccaaga tggactccat ggacttgacg agggagaagg 420
gaatcacatc tcagtctgct gccacatc gactcggaa agactatacg attaacatta 480

ttgacacgcc tgggt

494

<210> 12537

<211> 505

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220141a12d1

<400> 12537

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gaatgacaga gacaaattag ggcacattgc aataactcct gttgcagagc tcaaacacgt 180
atacattcta ccgacttagc accagcaata aatgatgatc ctaaattgtca gcactccaag 240
caatataccc aatgagaagt tcgcatgagc actcaagagc cgccctcatg acatcatgta 300
catgggcacc ctatggtagt ggaaattaaa ataggatatt gaagctgata ctaaattcagc 360
tgtatgggta ccatacgagt actcatgagc taaggcagtg gacattgggc tccagggata 420
cagtgacgag ccaagttaca tgactcggtc tctggcgcac tctggagaga cttgaggcca 480
gcgaccgcgg tcggagcttt agttg 505

<210> 12538

<211> 590

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220141b01a1

<400> 12538

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agatactgat ggaaatgatg ccaacctacc taactgtaat tatcacaaga ggagcaagac 180
agatacgctt ggcgacagca agagtgtagg ctctccgaaa ggcacatgtg atcattgcag 240
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gcacgagtga acgtaatgaa gctcgacctt ggctcactga catctattac agcactatgt 360
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atgacctgcc cattcaagct ctcagaggat agcacagaaa tgcaatttgc aacaaaccat 480
 cttgatcatt aacaagtgc aaacatgcct cctgacaaaa tgcaacaaac tgcaaaagcc 540
 acaggaaaac aaggcaagat cataaatctg gcatcaattg ccataactg 590

<210> 12539
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b02a1

<400> 12539

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 attgttgtcg gcagtgggtg ggcgggttctg ttgttttatt tagtgtaggt atacgccatg 180
 gtttaataat taaagtctga gagctgtttg ttgccaaagg gattgaacga tcttaaaacc 240
 aggttttagga tttggcattc cattaataat ggtccctttt aactgtatgg tttcacttaa 300
 tgtaattgca ggggtttgta ccctttattc aaaaaaaaaa aaaaaaaaat aaaaaaaaag 360
 aaaaaaaaaa aaaaaaagat aaaaaaaaaa aaatataaat aaaaaaagat aaaacaatga 420
 ataatcaaaa taaagcaaat aaaaaaaaaa gggggggccc ccctttaggg ggccccatgc 480
 cccggaattt aattcgggcc cgtgtcctgg gg 512

<210> 12540
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b02d1

<400> 12540

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 aaaaaaagg ggcgcccccc cgcggcggtc cgtagggcaa accaccccag gaaaacgccc 180
 ccctttaata gggaggggccc gacagcagcc cggggacaaa agagacgaac cacccttggg 240
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caaagaaacc gccccccgct gggcccccca ttcacaaagg ggggccaaaa aaacaaaaat 360
 cgggggggggc ccaaaagggg atcccccgca ccccccaaa caggtgggga cccccggca 420
 aaaaacgggg ggggaaaaat ttaccccccc cgggggggcc ccaatcgggg gtattcaccc 480
 cggggagggg aaaacaagcc tttttcatag ggggcccc 518

<210> 12541
 <211> 607
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220141b03a1

<400> 12541
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 atctcctgtg gaaagaccta agatgtctga ggtggtaaga atgctagaag gtgatggttt 180
 ggctgagaaa tgggagcaat ggcagaaaga cgagacgttc cggcaagact ttaacagcaa 240
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 actatcaggt cctagatgat aacattctaa ggacaggtga atacacaata ctgccggctt 360
 tctgttgga agagatatac ttctgatttg tgcataatgat ttctgccctc tctacctttt 420
 ctcttgtttt catccttggtg cgcagattcc atgcccattg gtcagttgtg attattaaag 480
 atagataatt gtaatttctt ttgcgttggtc aagttgcagg atcaagtgtg tgttacaact 540
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 acaattc 607

<210> 12542
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b03d1

<400> 12542
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tgaggtgagc atgtttaatc aagttggcct tactatgcac acaaggatct cctgtggaaa 120
gacctaagat gtctgaggtg agaagaatgc tacaaggtga tggtttggct gagaaatggg 180
agcaatggca gaaagacgag acgttccggc aagactttaa cagcaacata catcaccta 240
atgcaaattg gatagtagat tcaacttccc atattcaggc agatgaacta tcaggtccta 300
gatgataaca ttctaaggac aggtgaatac acaatactgc cggctttctg ttggaaagag 360
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<210> 12543
<211> 574
<212> DNA
<213> Glycine max

<223> unsure at all n. locations
<223> Clone ID: jC-gmf102220141b04a1

<400> 12543

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gccatggcga aatcttggtg ctggtttttg ttcttctttt cagtgtcttt cttctggtaa 180
ttgctatggt gatgtacttg aagagaattc ggagtaacct ccaacagaat gaaggggtcca 240
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attagttttg ttttaaattt aattttgatt tacttttatt taaagcaact ttaatagtaa 480
ctntatctgc ataggggcac tcaagtaatt ntggatattt gccacatatt aatctccaaa 540
gatatcacct tgttcgtcct tctngatgag aatt 574

<210> 12544
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141b04d1

<400> 12544

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 ggctgtacaa attgatgggt gatagtgttg ggataaagca tctattcact atcattgatt 180
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 tcagcaagta cgaaatgtcc aatcttctcg ggttggtcca cccaatcta attctcatca 360
 agaaggacta acaaggcgat atctttggag attaatatgt ggcataataa caaattgact 420
 tgagtgtccc tatgcagata aagttactat t 451

<210> 12545
 <211> 603
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141b05a1
 <400> 12545

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 gacccttttc cggctattct ctgtcccaaa cttttccact cgcgtttctc cgatcgccat 180
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 agtgctgaga agctctggaa tgggcttgta ccagccagct ggggggcttg taccgccttt 300
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 gcacattatg cagatttttag acaaggaggc agtagaggag gtgagagggc aaagagagat 480
 acctgacata aagcccgggt atattgtgca actcacagtg gaagtacctg aaaataaaga 540
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 cat 603

<210> 12546
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141b05d1

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 caaaaatgtc cccaagatg atgatcgatg tcaatcttta agtgggtcca ttccctgcct 240
 cagatcagct agttcggccc ttctcactct cgttttgaca agcacctcta tatactttat 300
 gtcaggtgaa tacactggta attgtgattc aatgccaaacc cctgcgattt acctcctaac 360
 tccgaatgtc acattgagtc caacttctcg gc 392

<210> 12547
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b06a1

<400> 12547
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 ccttccagga ctttaccgtg ttgttcacgg tattgatcca tttgatccaa agttcaacat 180
 tgtctctccc ggtgcagaca tgggtatata cttcccatac actgaaactg agcgtagggt 240
 aacagaattc cactctgaca ttgaagagct tctttacagc tcagtggaga atgaggaaca 300
 catatgcgta ttgaaggacc gcaacaaacc aataatcttc accatggcaa ggcttgaccg 360
 tgtgaagaac atcacggggc ttgtcgagtgt gtacgggaag aacgcactgc ctgcgagtt 420
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 ggccgagatg aagaagatgt atggcctcat cgagacctac aagttgaacg gccaatcag 540
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<210> 12548
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b06d1

<400> 12548

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 cccgaactgg actttaccaa gacgtttctt gtttacttcc attacccaaa acctaagcca 180
 tttgtaataa caaacgacac ttgggttttag actctctaaa ccctagaagc tgatcacaat 240
 gcaaactcaa tggcgctatt gatgaaagct gcataagact ctaatcagac caaagcgcg 300
 gtttctccat tgatgatcga ttgacctatg cattccctct tcaatagcca ggggcacaga 360
 ctaacgcaat ttgaggatct cgagaccatt gaacatgtac aggtaacact cgctcttacg 420
 ggattcaata ttggtcacgt gcttc 445

<210> 12549

<211> 603

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141b07a1

<400> 12549

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 tttgtctgcg tcttccctct ttctttcttt ctttctctgc gtgtcgtaat ggctctccca 180
 gactcttctt ccgctcgcaa ctccctgac ccctccttca tctactctc ttcctccaaa 240
 acgctccctc tccaccacat gctcaacacc gcctccgctg ccgcgcgcgc cgctccctcc 300
 ccgcccgcgg ccaatctcga cgccggatcg cgtggcctca tgattccctc tcccagcgag 360
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 ctgagctgtg gcctcactca catgaccgtc actcctcttg acctagtcaa gtgtaatatg 480
 cagattgacc ctgctaagta caagagcatc tcgtctgggt ttggagtttt gcttaaggag 540
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 tgc 603

<210> 12550

<211> 491

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b07d1

<400> 12550

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tgctttgtct gcgtctttct tctggctttc tttctatctc tgagagacgc aatggctctc 180
ccagactctt ctttcgctcg caactccctg atcccctact tcatctactc ctcttcctgc 240
aaaacgctcc ctgtccacca catgctcaac accggctccg ctgacgacga cgccgctccc 300
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gagtcacgca agatcgagtt gtactgcccc gccttctacg ccggtgcac cgacggagga 420
atcctcaact gtggcctcac tgacatgacc gacactcctc ctgacctagt caagtggaat 480
atgcaaatcg a 491
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<210> 12551
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b08a1

<400> 12551

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tttgtctgcg tcttccttct ttctttcttt ctttctctgt gtgtcgtaat ggctctccca 180
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ccgccgccg ccaatctcga cgccggatcg cgtggcctca tgattccctc tcccagcgag 360
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ctcagctgtg gcctcactca catgaccgtc actcctcttg acctagtcaa gtgtaatatg 480
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<210> 12552
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141b08d1

<400> 12552

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tgctgggccc gcgaatgctc cgggctttat gcccaccca gaaagacaaa agggccccc   180
cagacaaagg gtaccgaaaa accccctaga tccaaaaatt tattaactcc cccccaaaa   240
aatcgacccc tgggcaggac atgctcaaca ccgccccgc aagaagtcaa agacgtccc   300
atcacaaaaa cgggcaaaca ggacccaaga tcgaaaagac tcttgacacc ctctcccagg  360
gagccacgca agatcgagat gaactcccc gccttctacg cggggggcc               408

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<210> 12553
 <211> 593
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141b09a1

<400> 12553

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acatgggcgt ggacaataat ttgcttgcca aacctagaag gcgtgctaatt tttcggttat  180
gcaatgtgtc atgttacact tctgaagtat tggagattca atctgatgct cctacactgc  240
atgttctggt tgttctctgga aaccaggtg ttattttatt ctacaaggac tttgcggaat  300
ttctatatga gtcgctggag ggaactgctt ctgtcacagc tattggccat gtctctcact  360
caagaacgaa cttggaacat ggacgcatgt tttctttaca agaacagatc gatcacacag  420
attgacttca tcagagagga attggaaaat gttgagattc ctatattact ggttggaacac  480
tctattgggt catacatatc tattgaaatg ttcaagaagt ctgcagagaa ggcgaaatat  540
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<210> 12554
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b09d1

<400> 12554

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 tctgttcgtt ctttttttta ctgggggaat gaagccaact aaaacttctg caccatgtta 180
 attgtcaaaa tttttaagag gatcaatgcc ttgtgcaatt atcagttagc caaaactatt 240
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 tcttgatcaa gttcccccc tggttggtccc cccattttgt gccaaacctat gtgctacaga 360
 aaccccggtg gacgttgtct ctttccctata ttaggggctt tccggaacca ctctggaac 420
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<210> 12555
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b10a1

<400> 12555

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 accgcgattt cgttcatgtt ttgctctctc tccaagggtc cgataaattg tctcactccg 180
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 agttggacgc ggtgggttagg ggtggcgctt tgacggagga ggtcgtggcg gcgacggcgt 360
 atcttgccgc ggtgggtgaaa gaggttctga ggctgcaccc gccggggccc cttctctcgt 420
 gggcccgtt ggccatcact gatacgacca ttgatgggta tcacgtgcct g 471

<210> 12556
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b10d1

<400> 12556

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 taagtatatc atcattaagt gcttaatcca tgcctagggc gaactttaac aatgagtggg 120
 ttagccattt cacacgagag cctgatcacc ttcgatagat caaccttggc ttcacagac 180
 ggtatgccat tcaaactcat gcaaaagcca agccaccag aaggttacgg tgctcaaacc 240
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 cccgtaaaca gaaaactcgt tttccagacc catgaacctc tcgggcttga actcaagtgg 360
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 tcgaggcacg tgatacccat caatggtcgt atcagtgatg gccaaacggg cccacgagag 480
 acgcggggccc ggcggatgca gcctc 505

<210> 12557
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b11a1

<400> 12557

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 ttggattctg tgtttggtga aggagctggc gtaggtggag cgaatgtgct tgagttattt 300
 ttacaccac aattgaaact tacctttcta tgagtctctt ctgtatcgta ttggcggctt 360
 aatttgaggt agctgttgcc tcagaatgct gcacgatcag agaacaaagg gctcaatgga 420
 gatggaatct ttctccgatt atggcgatgc cagcaggtcc aaaattcacg aggccattgc 480

gaaaggaagc tctg

494

<210> 12558
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b11d1

<400> 12558

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 aagcaccacc agagactgct acttcttcac tatgaagaac ctttacttat tctccacaag 180
 gattgctcca cctggccaaa ctattcaca gacaacattc ttctagaaca accttgatcat 240
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 tattttggca ttcacaccac attgctgagc aagttttgat tgtaaagata cacccttgctc 480
 agcttctggt gctgacctta tctgttctcc agaggttgat cgctgatcat gattcgctcgg 540
 gaggataggc tgagatggaa gaacagaacc tctcataaat gtc 583

<210> 12559
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141b12a1

<400> 12559

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 gccgttaaca gcgaggtttt ctcgaagttg ctagctcaca cttcgcagat tgggtgctggt 180
 gttggcaaag gagggaagaa cataaccgcc attaggaaca gtacctgtgc caaaattagg 240
 gtttgcctt cctccgcatt gcgcactaat gaccaagagt taagtctaata aactggtgga 300
 attttggt 309

<210> 12560
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141b12d1

<400> 12560

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 aataaaggct tggcgcaagc tctgctctgc ctaggttcga actgacgctc catatatgac 240
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<210> 12561
 <211> 611
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141c01a1

<400> 12561

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 tgcaaattgt ctagtgaata agcattggac cgtcaaaata tgtgattttg ggctttcaag 180
 aataatgaca gaatctcaa tgagagattc ttctcagct ggaactccag aatggatggc 240
 tcctgagctt attcgaaatg aaccattcac agaaaaatgt gatatcttta gccttggggt 300
 gataatgtgg gaactctgca ccttgaacag accatgggac aggagtacca cctgagaggg 360
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 tcttttttcg c 611

<210> 12562
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141c01d1

<400> 12562

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 gttcaaaaac cccattaaag aagctctaac atcattccac ttcttttagtt tagctcttcc 180
 ttgcctactt tgttatacgt aaaaatgcaa gatttataac caattcggcc aaaacgattc 240
 tacacttgga cactgctctt ctcatcgac agaaaaatat gttgagagac ggattggctc 300
 catgtttctc cttgcccccc gaaagagacg agctgcagca cagggatacg aaattgattc 360
 atatttcgca ttttctgcga aaaaagaaca aaatgcacat atagtccaca acatcagccg 420
 ataatacaat gtagcaactc tacccaaagc tgtctatgta caaaagatat tgcttcagc 479

<210> 12563
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141c02a1

<400> 12563

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 aggcacatta ccctggataa caatgagaac aaacctgtca ctaacagtag ggatacacia 180
 gaggtaatgt tggagcctgg cctgaaatta atcaaaattt tcaaggaata taccagcaag 240
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gcaacctgct gttactggag gaactggaaa ggcagaagca attgggggca atgtgaagag 300
 taggccttct aattcatcct ctactgaaca agacttagat acattttcttc ttggagatct 360
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 gattggcaat tcagatgttg aagatgagaa gcatgtgaag aaaactgctg caacagttta 480
 ggattcccc aattactttt ggttgagaga ctgaagtcaa aatgaacttt gctgcttgca 540
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<210> 12566
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141c03d1
 <400> 12566

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 taagggtcaac tgtacaaggc atcagggtc agaaccacca ttttatccaa aatcaatctg 180
 ccactatata ggggtattaag gtaaacaat aaacaatgac cagttacttc agttttttcc 240
 gaccaattcg ccaaattctac aactgctac agccactttt ctttaattcc aggctgctac 300
 aaccgtttgc ctttatggat tcaactgatat ctgaggata gttgcaagca gcaaagttca 360
 ttttgacttc agtctctcaa ccaaagtaa ttgggggaat cctaaactgt tgcagcagtt 420
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 aaac 484

<210> 12567
 <211> 632
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 <223> unsure at all n locations
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<212> DNA

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<223> Clone ID: jC-gmf102220141c08a1

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 <213> Glycine max

<223> unsure at all n locations
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<223> Clone ID: jC-gmf102220141c09a1

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<400> 12577

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<210> 12578

<211> 541

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141c10d1

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<223> unsure at all n locations
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<400> 12579

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<223> Clone ID: jC-gmf102220141c11d1

<400> 12580

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 ctgcctaacg cgttgccaaa gcgctccatt tacgcggtc ggcgcgctg acgataagag 360
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Parameter	Unit	Value	Standard Error	t-Statistic	Probability > t	Lower CI	Upper CI
Intercept		1.000	0.000	1.000	1.000	1.000	1.000
Age	Years	0.000	0.000	0.000	1.000	-0.000	0.000
Gender		0.000	0.000	0.000	1.000	-0.000	0.000
Marital Status		0.000	0.000	0.000	1.000	-0.000	0.000
Education	Years	0.000	0.000	0.000	1.000	-0.000	0.000
Income	USD	0.000	0.000	0.000	1.000	-0.000	0.000
Health Status		0.000	0.000	0.000	1.000	-0.000	0.000
Smoking Status		0.000	0.000	0.000	1.000	-0.000	0.000
Alcohol Consumption		0.000	0.000	0.000	1.000	-0.000	0.000
Exercise Frequency		0.000	0.000	0.000	1.000	-0.000	0.000
Stress Level		0.000	0.000	0.000	1.000	-0.000	0.000
Family Size		0.000	0.000	0.000	1.000	-0.000	0.000
Occupation		0.000	0.000	0.000	1.000	-0.000	0.000
Residence Type		0.000	0.000	0.000	1.000	-0.000	0.000
Health Insurance		0.000	0.000	0.000	1.000	-0.000	0.000
Chronic Diseases		0.000	0.000	0.000	1.000	-0.000	0.000
Medication Use		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Access		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Costs		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Satisfaction		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Quality		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Accessibility		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Affordability		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Effectiveness		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Safety		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Timeliness		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Patient-Centeredness		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Transparency		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Accountability		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Equity		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Quality Improvement		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Innovation		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Research		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Education		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Training		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Professionalism		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Ethics		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Communication		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Collaboration		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Partnership		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Leadership		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Governance		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Policy		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Regulation		0.000	0.000	0.000	1.000	-0.000	0.000
Healthcare Standards		0.000	0.000	0.000	1.000	-0.000	0.000
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<212> DNA
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 <212> DNA
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<223> Clone ID: jC-gmfl02220141d03d1

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<223> unsure at all n locations
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caatgacttt	t					431

ggacatgacc catttggcca ggcgtcctcgt ccttcttctc aagatccaca ccatcaaadc 240
 ctgcgcgcgt gtctcattga agactcaaga actctatgca ctgcgttttg cttgtcgcta 300
 cctagatadc tttactaatt atgtatctct ctataatacc actatgaagt tgatattctt 360
 gggaagctca ttttctattg tgtgggtacat gaggtaccac aagggtgttc gtagatcata 420
 tgacaaagat caagatacct ttgcgccatta ctttcttgta ttgccttgct tactattggc 480
 cctattaadc aatgagaaaat tcacattgaa ggaggtcatg tggacatttt cctgtatttt 540
 ggaagcttgt gctatacttc ctcaactagt acttttacag agaactagaa atattgacaa 600
 tttgacttga cagtat 616

<210> 12592
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141d05d1
 <400> 12592

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 gtggcaagaa cgaaciaaata ggcaattgta aatcagaaac cactatgtcc agaciaaattt 180
 gtgaatcctc tctgcttact gttaattgtc cacttagacc cttgttttca agaacagaag 240
 aataaaactca tgctggcaaa tgaagctttt tggtggcctt ccagcttttg aaatagtaat 300
 agaagaaadc agcatagagt agtgtctgaa caaggccaga aatccatgtt atccaatgga 360
 caaagtgggg ctgagttaag tagcgataga tccagctgag aatgtatagt cctctgtatg 420
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<210> 12593
 <211> 607
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141d06a1
 <400> 12593

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aattggctgt tcactctgccg atgagagtca tggtaacacc gagccagaaa gttgtccatt 180
ttcatgggct agatctccag aaaacttact acgtcaggaa acttatttgg ctctggccac 240
tacatttgtg gttttgagat tactatactt gtttttccct acgctgctta tatgtattca 300
atatacttgg agaaggggtca tccaaaatat tagaatatgg agcttgcttg aacatccttt 360
ggttttatttg aagcgcctaa cacagtcatt taactgtttg aaagagccat gcaagagacg 420
taatctgcag gaaggagcaa tgaatgctag agcatgggct tgcaagtccc ttgccaccgt 480
ttcaattgga gaggaaagca gcagccgtgg gatgcatctg atcatcttca cacgctctgg 540
cctcgtgctt agtgangtca attatgttac tgaatgatgt aaacgtccct tatatgtnc 600
tatgatc 607

<210> 12594
<211> 334
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220141d06d1
<400> 12594

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accacgcacc gagtatatca acaatgcac caatcacttt tttgagattt acaatcattt 120
cattcccaac aaaaataaat tcaagaactg acgatcaaat gatttgacct tcaagaaaac 180
gtacaagtca aagaattgca gatttcagct cgagtttgct acatttaaac tatacacatt 240
gaagtctcaa tcttctagaa cgctgaatga agtatttctt gatcatatga tcatataagg 300
gacgtttaca tcattcagtt acataattga cccc 334

<210> 12595
<211> 576
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220141d07a1
<400> 12595

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 gatgagaaat cattggtaac attactggga aaatgggac ctctggagag agaattcttc 180
 aggaagaaga caccacattt gttcagtga gatcatgaac gccattttca gaggtgggat 240
 gatcaatatg tccgtcttct caagcatgaa ttcgtgcgtt ttaagaatgc tgtgggtgctt 300
 tgggccatgc acccttggga aagagatgcc cgtttagtaa aagaggccct aaagaagggt 360
 ccaaatgcat atggagtgt gattgaggtt tcatgcacta gatcctcaga agagctattg 420
 ggagctagga aggcatacca ttccctcttt gaccactcca ttgaagaaga tgttgccctct 480
 cacatccatg gcattgaaag aacgctattg gttgccctac taagtgccta tagatacgaa 540
 nggacaaagg ctaaagatga cactgcacaa tcagaa 576

<210> 12596
 <211> 399
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141d07d1

<400> 12596

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 agggaaactg ggaggaaaaa attttccttt tttatttgaa cctccaagggt ctggggctct 180
 ttgaaaattc tgcaattagc ctctgtaac aatcaaggct agcaagaaat gcttgggggc 240
 ccctttagaa acccctctaa ctttctgggg caaagaaacc ccattttgac tttgggaccg 300
 tgcccttatg gctttcatat caatatgaag gcgagttccc tcgaccctag taagcgattt 360
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<210> 12597
 <211> 400
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141d08a1

<400> 12597

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 accgcgaacc tatctacgcc aacacagttg gcccggtaca caaccgtaac gaaacctacc 180
 gtgactacga ccttaccttt tgtgaaccag gagacttgac agagatgaag gaggcgctcg 240
 gagaggtgct gactggggac cgagcgggta gcgcgccata caagctggag ttccatcgcg 300
 acaaggagtc gccctccgtg tgcaacagga agctctgcaa acaggacgtg tctcggtgca 360
 gatccgccgt gaggaaggac tactactgcc agatgcacta 400

<210> 12598
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141d08d1
 <400> 12598

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 taaagtatcg gcggcaccaa agcctttccc cgaaaaggac ccttggcaat ctaacgagaa 120
 gctgagggaa ccaaagccc ccccaaacca ggctcgcaa ttatcagacg aactatccga 180
 agtgctgcat taagcccgtt taaaaatccc ctcttacaag aaatcctttg atctcgagga 240
 cgagacaggt caaaattcct ac 262

<210> 12599
 <211> 617
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220141d09a1
 <400> 12599

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 tagacctga attgttggtt tgctacttac taggctcgta gttgacgcct ttaggaatct 180
 ctcaaggatg ggtttctcag cggcagcttc gttgggtacc tatgttgtgc tgcgagacac 240
 tcatgaaaca agaatcaagt gccaatTTTT gtgccaaca gaacagaata gtcgaattgg 300

tttcaagttt tcaaagcaca tggccattca aagtgcatt ttttttagca agcatgagtt 360
 cactgatctg gatcagagga atagctcaca tgatgttaac gaagagatta ctcaatgtta 420
 tgaactcata aacagattag ggagaggagt tgtgcatctg ggctctataa ggatgggacc 480
 tatccattca cattatgtgc aagcacaaga gctggctaaa gagatagcac atcttttggg 540
 ctgcactact tggtcagggg ctggaccang gctaattggac gctgntactc aaggttctat 600
 gctagcacga aaaccag 617

<210> 12600
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141d09d1
 <400> 12600

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 acacgtccta cctggaaccc atgttaaagg caacgggaag gatcactgcg ggtgctctat 180
 catcacgtgt tatcatgact gaatcagagg ctgagtcgct gacagccacc ttccacttct 240
 atgccaacgc actgttgacc ctgaatcaca acccaaggac cattgggggtt tccccggagt 300
 actgcacaaa gccttcaact ggaccgggac ggtaattggaa ccgagacctg tgacacaatc 360
 cgcgttaccc acagcattgc caatatgact gaaactgtat tcaaagttgc aagatgacaa 420
 aagacgtta tgccatcaact ttcagatgaa gatgataacc ctgtagcagc ttcagacatt 480
 gctgctaaaa ttcagagtca agcaagtttg acttccacgt acc 523

<210> 12601
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141d10a1
 <400> 12601

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tagacatgtc gatgatctcg tgctacatct cccactccga cacgtcgcgc atcgacaagg 180
agctgatgtg catgtacgag cagcggctag taaagcacgg tatgggtgtac aacgcgctcg 240
gcgagaagga gaagagggtc cagatcttca aggacaacct gcgattcatc gacgaccaca 300
actcccaaga ggaccgaacc tacaagctcg gactgaaccg gttcgcggat ctcaccaacg 360
aggagtacag ggccaagtgc ttggcatcca tgatcgatcc caaccggatg ctcggcgaga 420
ccccgagcaa ccgatacgcg ccacgtgtcg gcgacatact acctgaatcg gttgattgca 480
ggaaggatgg cgctgttcct acagtcaaag accaaagtgg ctagatgagc tgttgtgca 539

<210> 12602
<211> 458
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220141d10d1
<400> 12602

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aataatataa ccctatgtac acagccaata tgtgactgaa attcgataca gaatagtatc 120
aatttgtatc ataataaaat ggctcagaga aattcatgtg aaggtaaagg ggaagtgtat 180
cagctgatgt tctaattctt catgtttcat tgacttcac 240
tcacatttcc tttatctgct taagcaactgc tgaccttgta cttacacca aaggtccaat 300
ggggtttagc cggagtactc ctcaacgcct tcaactctgaa cgggatgatc ttgctcttga 360
gacacgttac agcataagtg ttgcagatgg gatagccgtt tgggcatcaa ctgtagtgga 420
cctcacaggt cgtagcacc 458

<210> 12603
<211> 601
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220141d11a1
<400> 12603

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tcaaagacag ttttttagag aaccgtctta gaatgtctat attttaagac gtttttttgg 120

aaaacctgtc ttagaatcct caatttactg gaaattcttt taaaaaataa atacattcta 180
 agatgggttct ctgaaaaatc gtcataagaag gtctactctt ctaagatgat ttttaactaa 240
 aaaccatctt agaaagatat tcttctaaaa cggtttttag caaagaattg tcgtagaaaa 300
 gtaccttttt tctaagacag ttttttatga aactatcata taaagtaaag actttctacg 360
 acgttgccta cgatgatggg ggttgataat cgccatcaaa tgtgtctttt aaccgacata 420
 aaaagcgctt tgtgtagtag tgtattaagg agtggttaaaa ttgatttctg aaaaatacag 480
 aacaatggat ttagacaaac aaaattgtta gaattgagtg ctctgtgctt tgcatttcta 540
 aattctatca gtgatgtgtg acatttatat atatattgat aattatttct gtacgcactc 600
 t 601

<210> 12604
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141d11d1
 <400> 12604

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 gctaggcca acatgaaaaa ggtgcatgtg ttaataaggt gtaaataaat gttttatttt 180
 atttcagact tcataaaaaa tgggctagaa ccaaataag aaaagagtgc atatttgaaa 240
 aatagggcgt aaatagcaat tttttctggg taggttgtaa ccgggtcagg gtgacccggc 300
 ttaaccgta attagacaac atgggttgaa aatcctacat gtcctaacct tgaaacggtg 360
 caacaaaagg gggaaccacc acagaggggtg gtgtgcccc tcagtgggtg acggcgctac 420
 tacgcgaggc cgacacgtgg gggacagcgg ctacagtggc atgcgatact tcacttgcaa 480
 atggaaaatg aaggaagaaa tagaacatta gaacataatg attatggaat gcataaaaga 540
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<210> 12605
 <211> 576
 <212> DNA
 <213> Glycine max

[illegible]

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aaaacctgtc	ttagaatcct	caatttactg	gaattctttt	taaaaaataa	atacattcta	180
agatggttct	ctgaaaaatc	gtcatagaag	gtctactctt	ctaagatgat	ttttaactaa	240
aaaccatctt	agaaagatat	tcttctaaaa	cggttttttg	caaagaattg	tcgtagaaaa	300
gtaccttttt	tctaagacag	ttttttatga	aactatcata	taaagtaaag	actttctacg	360
acgttgccta	cgatgatggc	ggttgataat	cgccatcaaa	tgtgtctttt	aaccgacata	420
aaaagcgctc	tgtgtagtag	tgtattaagg	agtgttaaaa	ttgattttctg	aaaaattaca	480
gaacaatgga	tttagacata	cataattggg	agaattgagt	gctctgagtt	ttgcatttct	540
aaattctatc	agtgatgtgt	gacatttata	tatata			576

<210>	12606
<211>	499
<212>	DNA
<213>	Glycine max

<400>	12606
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4

<210> 12607
 <211> 622
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141e01a1

<400> 12607

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 ggaagactca ttgctagggc aagtggaaat atggagggtac atgacatgct tcacggactc 240
 cgtggccttg aaagctgtca tagagcttcg tatagcggac atactagacc gttatggtaa 300
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 agagacagga gaaacctct tctggcttgac acgagcctcg aagtggatcc ttcgcgacac 480
 gaaaatgacc ctagcaccca tgttgctgct ggagaaccac ccaattcacc tgaacctgac 540
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 ccatggacat gagcaatttg ag 622

<210> 12608
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141e01d1

<400> 12608

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 tactcatatt taaggcacia acataacaag ggcaggatgg aaaaccccaa aattataaac 180
 gagcatcata tagctgttaa taataacaac aacacatgca acataaaaac cacatgcaac 240
 cgggggtactg gcatcttttt cagatgggaa acgcctaaat gatggaagga aaagccttga 300
 tcttgatgat agtgcaacgc gcgaaaccgg tttccttgaa cagccacttc cagttctctt 360

cggccctttt tttgccaccg ggc

383

<210> 12609
<211> 461
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141e02a1

<400> 12609

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ggagcttggc aagatcatcc aactccaagg cgaccagcgt aagaacgtct cccacttcct 180
cgttcaggct ggccttgtca ggaaggacca gatcaagatt catgggtttt gaccaattgg 240
tcttggtttt gttagtagta atttcaagtt gttcttgagt ttgtgagttt tgaaagtttg 300
gattgttttt ctgtttgatg agtgggtgtg gaataagttt gggtttggttt gggtttggttt 360
gggttttcca atttttaatg attggatttc atggatgttg ttagtgaact tgaattgttc 420
caaagcaagt tacagttaat aaatgataat tcggttttca g 461

<210> 12610
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141e02d1

<400> 12610

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aaacttattc caacaccact catcaaacag aaaaacaatc caaactttca aaactcacia 180
actcaagaac aacttgaaat tactactaac aaaaacaaga ccaattgggtc aaaaaccatg 240
aatcttgatc tggctcttcc tgacaaggcc agcctgaacg aggaagtggg agacgttctt 300
acgctggtcg ccttgagatt ggatgatctt gccaaagctc ttgtcctgca ccacggttcc 360
gttgacagcag aactccttct tgaggctcctt gaggatcttc tcgtagctga actccttctt 420
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[illegible]

<400> 12611

<210>	12612
<211>	538
<212>	DNA
<213>	Glycine max

<400> 12612

5769

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 atacttaatc cttccatgtc atggaaaatt tttatagcct catcaacctt tccttcac 538

<210> 12613
 <211> 637
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141e04a1
 <400> 12613

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 gagaagaagg aggatctact aagtattgca tggcgaaaact ggaggggaagg aacagctgca 180
 aatattgtag atgccacctt gatcaatggt tcacaaaatg aaatagtgag atgcatccac 240
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 gatagtgcac aattaccaga gtttaattcc ggggcaacaa tcgagtatac aactagatca 420
 acatcggggg aagaaggcca atgaggctgc tgaaaagtat cacatcactg aattcctcta 480
 atacagctaa tatttatgaa tttcaattaa ttttaagatg gcatatactg agttgtaact 540
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 gagtgctagt aagtactctt tactatattt caataaa 637

<210> 12614
 <211> 162
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141e04d1
 <400> 12614

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 tcagtatatg ccatcttaaa attaattgaa attcataaat at 162

<210> 12615
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141e05a1

<400> 12615

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 ggtattatag agaaaacatt ctcgtggggg aggtactcta tggaaatgtc cgctgtcatt 180
 cacaaggact gggttttcac tgatcaagca ttacctaata atcttgtaaa gagaggagtt 240
 gctgcataag gacccatctg ctcccatgg agtacgactt ttgattgagg actatcctta 300
 tgcttctgat gggctagaga tatgggatgc catcaagtcc tgggtgcaag agtatgtctc 360
 actctactac aagtgatata aggaactcca aaaagaccct gaactccatg ctcgggtggaa 420
 agaacttgta caggtgggtc atgggtgattt gacagaaagc catgggtggca tatgatgcaa 480
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 gc 542

<210> 12616
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141e06a1

<400> 12616

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 ataaatcatt tgtgctgtga atttgctttt cttcgccata acgagcgaga tctagtccca 180
 aattttggaa ccctaaaatg ggaattgggg atctgcacgc cgagctcgtc ttttgtgtgt 240
 gctgtgtttg gtttgtgagg .aaatgtaggg atcgtaatgg cgttcagatc gcgggggttta 300
 cgttttgcgg cgattagatc gagcaagttc cgatcttttt tcaactcggga acggcgaatc 360
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ttgctgaatt tgtgattttg gtatttttct catttttcaa ttaaattgca tgggtgttttg 480
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ctgctcgtct gtttagatta ttttaatggt g 571

<210> 12617
<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141e06d1

<400> 12617

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tatccaaagc tagtctatct agttataact catctacata aatgttgatg ccatacaaca 120
tggttgtccc ttatcacata aaagccgaag agggaaaaag aacaaaagaa ccggaatatc 180
caaatttttag gtagaagtac cacaacagaa aaatcttgga taacaaataa ctcaacatct 240
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cagcacctat ctacctgata gtgacaaact tgttggcgcc gtgtctggcc caatgagtct 360
tcagatcaat agggtttagc aagttataac cttcagcagc aagtttctct aaaaccttgt 420
taaaagcacc ttggctcatt ttccgcccag ctatccttgc accacgcctt ttcattgctca 480
ttgggcaagg atatattgac acatttgtgg tgcaacaagc cgattgccaa c 531

<210> 12618
<211> 579
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141e07a1

<400> 12618

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gacctacata aaccacatgg actagaccac catgccctta accttgagcg accacctcaa 180
ctggctcgac gccttcttca aatcagcgta gcacttcgca gagatgctgt acacttacia 240
acacgtgggc catggcttgt ccgctagact tactcccaag gacgtagaca cacttgcaaa 300

acaacccgga atcctctccg tcatccccga actcaaatac aaactgcaca ccacaagaac 360
 tcccaactta cttggacttg acaaagccac caccttgtag ccgaagctag cctctacggc 420
 ttggcgtag gtacggcgcg tggaatggcc acacgagcgc gtgtggcgga taacagagtg 480
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 gacggcgtga atgttctgtc catgtccata aggggaagc 579

<210> 12619
 <211> 366
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141e07d1

<400> 12619
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 aaaataaaaa ccgccaggag acaaaggaac tacaccagca agccctagac gatacggacc 120
 aggcccaaag gctaaccacg tatatcattc accagttcac ttgcgccttc cttttgggca 180
 cttcctttcg cgcggcccat gattgccagg ggaaccccat tggaatacca agcttctgat 240
 tcgcattggg ccattgaaaa cctgccatga tggcgcctc aaaaagcatt ctacgggtcca 300
 aaagcgatcc catataagcc gctctcgaca ccgtgaccat gaaacacaag gtgtttggat 360
 cttcca 366

<210> 12620
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141e08a1

<400> 12620
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 aatgttaatt ttgactacta tatcaaacac atttaaagca taacacgttt cacagtttat 120
 catattgcag taaattggtg tgataaaaaa agatcaactt agtttaatag aaacacttta 180
 atagatcaaa gtgatgtttt tcaaacttaa gaaactaaat tggaaaaaaa aaaatcaagc 240
 accaaaaata tatgtatggt aattattcaa atgaaatggg taatttgaac tatagatatg 300

aaactaaaaa gattagtgtt gcaggaactg tgcgccacta gaagtaaagg ggagatttca 360
 agggatacag aattggctag tcagaaagga gcacaggcac agcaacaaaa cgtggcaatg 420
 gagaacacgg cattggagat gagtgtgacg gaccgagcgg gcctactatc agagctatca 480
 gcagtgc 487

<210> 12621
 <211> 325
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141e08d1

<400> 12621
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 aacttgga aaacaaagc gaagccccca aacaaaacaa accaaattgg aaacaaacaa 180
 atcaagcccc aaaaatacac gcacgggaat tatccaaagg aaaagggaaa aaagaactat 240
 agatatgaaa caaaaaagat ccgtgccgcc cgaactgtgc gccactacaa gtacagggga 300
 gaaaaaaagg gaccacagaag tggct 325

<210> 12622
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220141e09a1

<400> 12622
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 accaacttca tcaagtctc ctgcagcacc acccagtacc cagccctctg catccagtcc 180
 ctctccgtct acgctccac catccagcaa gacccccacg agctcgtcca gacagccctc 240
 tccctctccc tcaaccacac cgaggccacc aaaaccttcg tcgcaaaatg caacaaattc 300
 agaggcctca aaccgagaga atacgtgcc ttgaaggact gcgctgaaga aatcagtgc 360
 agcgtcgacc ggctcagccg gtcgctgaag gaactcanat tgtgtaaggt gaagggtgag 420

gacttcacgt ggcacatcag caacgttgag acgtgggtga gttcggctat gaccgatgag 480
 agcactngcg gcgatgggtt tcgcggaag gcgctgaatg ggaagactaa ggagggcatt 540
 agggc 545

<210> 12623
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141e09d1

<400> 12623

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 aatcatacaa aaacagaact catatttcac atttgatcag aagcaacaca agatccatat 120
 ctctataaaa actcacaatt acatacacca cacaaaacac aaaattaacc attaaccaac 180
 cacatagaac tgtttggttct tttttttttt cccctcaaag gaaaaaacga aaacaaaaaa 240
 caaaaacttt cttcccaact ccccctagtgt ttgtgcagca tactgattaa taagcgagag 300
 agcattgcta gtaacctgag caacattgac cattctagcc ctaatcgct ccttaatctt 360
 cccattcagc gccttcccg ggaacccatc gccgcatgtg ctctcatcgg tcaaagccga 420
 actcaccac gtatcaacgg tgctgatgtg ccacgtga 458

<210> 12624
 <211> 585
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141e10a1

<400> 12624

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 cggttcatcg gaccggtacc gagttcaata accaagttga ctcagctcac tcagctcaaa 120
 ctcggttaaca attttctcac cggaacagtt cccaaggaa ttgccaagct cgtaattta 180
 acctatttga gtctcgaagg aaaccaactt gaaggtagca taccggattt tttctcttcc 240
 ttcacggatc ttcggattct taatttttct tacaacaaat tttccggga tatccccaac 300

tcgatttctt ccttggcgcc gaaactgacg tacttggagc ttgggcacaa ctcactttcc 360
 gggaaaatcc ctgattttct gggaaaattc aaggcgcttg acacgcttga cctgtcatgg 420
 aacaagtttt ccggaacggt ccttgcgagt ttcaagaacc tgacgaaaat cttcaacctg 480
 aacctctnca acaacctcct ggtggaccgg ttccccgaga tgaacgtgaa agggatagaa 540
 tcgttggact tgtcgaacac agttttacct gggagcattc ccagt 585

<210> 12625
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141e10d1
 <400> 12625

cacaaaaaga gcaaattata ttaattatta tacccattca acttactggt ttaaagtaaa 60
 tatatatagt atatattgaa agttaaaatt acaatttact tattaatta cataattatt 120
 ggaaaactta gcagtaaaag gaaagtaagc acttgaaatc atcaacaact aagcttacta 180
 cacttatgct ttgttgcaag gtggcatagg agaaccacag agacaattat ttgcaacaaa 240
 agcacttgcc ggaaacttat tcttgggaag ctgaccacta agatgggttat agctaacatt 300
 gaactttctca agcccaacaa cactgttttg aaccttccta aacacccaat tacgagacag 360
 atccaataac ttaatcctct gcgcaaacct taacttgccc aaatcaaact caaacttggt 420
 gcccgagcc caaaacctta ccagatactc agtactatctt accaacccaa ttgcactccc 480
 tga 483

<210> 12626
 <211> 573
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220141e11a1
 <400> 12626

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 catcccggtc ctgttccctt tctctctgt ttctccattc ccactcgtgg agttactctc 120
 cttacttttc ttttctctcc cgtcgcttcc acagcaacca cgaccctgaa ttttaggctt 180

tgggattgag attctttctt cttctttttt tgattttttt taacttctgt gagggagaaa 240
 ggggagaatg tcgaagaaga aagtttagcg caacaccatg acgctgaagg acttccatgg 300
 cggttcaatt cctctgatac tccctctacc ttctgctccc ggcgtgactg tgaggacttc 360
 agatcgtgct gggtttgatc ggccgctcggc gtgggggaca ccgatgggcc ggtcggatca 420
 ttggtctcgg ccgcacacgt cgccggcaac taggcattat gatgacaaaa ccccgttttt 480
 gtcacacact gcccgaattg gcaggaattn tgatgaggat ganaggaagc ccctgatgg 540
 tggttcgatg ccacgtagga caatcagtga tga 573

<210> 12627
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141e11d1
 <400> 12627

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 acagcctttt cagctccacc acaaagaaag aaaaaaaaaat tagtgttctg gcagcaaattg 120
 atatggggca atcaatgaaa actaaataca gcatggtaat tgtaagaagg tattgtcaca 180
 accaaggcta tgtaacttga gaaatcatta atttctcact caattgttgt gaatgaggag 240
 aaaataacta aaaccacagc cactacatga agtgctctgc aattccacat tgcatagaatt 300
 caatgctatc tcatagaaat tggctcttgag tgagtccaat tatccaccag atattttaat 360
 gaccattgat ctgaggcctt gatgtacgac caacaagccg tgaaaatgga acttgtgtcc 420
 tgctgctgtt gccagtgttc agaccctttt gacctgaaaa cctatgattc actcttggat 480
 ctgatacaga tcttgagaat gcttgtgc 508

<210> 12628
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141e12a1
 <400> 12628

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aagacaacaa tggcaccaac agccaagact ctgacttacc tggcccagga gaaaacccta 120
 gaatcgagct tcgttcggga cgaggaggag cgtcccaagg ttgcctacaa cgaattcagc 180
 gacgagatcc cagtgatttc tcttgccgga atcgacgagg tggatggacg cagaagagag 240
 atttgtgaga agatcgtgga ggcttgcgag aattggggta tattccaggt tgttgatcac 300
 ggtgtggatc aacaactcgt ggccgagatg acccgtctcg ccaaagagtt ctttgctttg 360
 ccaccggacg agaagcttcg ttttgatatg tccggcgcca aaaaggggtg attcattgtc 420
 ttcagccatc tccaagggga atcggtgcaa gactggagag aaatagtgac atacttttcg 480
 tacccaaaaa gagagaggga ctattcaag 509

<210> 12629
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141e12d1
 <400> 12629

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 tgagccagct agctaataag acataggcaa ctgaacacaa cacatgatat cccacaaaag 120
 gataaaccat aagacgtaca aaagcacaaa ggtcaggact attattaatt catggccctt 180
 aaaaaatact aaaaacacca agggggcatg caaatgatac atatgtaatt attattaatt 240
 aagcaagaat ctcttcaaa ggcttggcct caagttttgc ctatcgatca agttcttgca 300
 aatgctttgc attctcaagg tcctgcaa atgctgtcctt agccagctta ttgatccttg 360
 caatctcaat gtccttgctc atcttctctc tgtacatttc agcaaaagtg attggttcct 420
 acatcacagg cttctctgct tgtcttatca tcagagggtg aacagttgca ttaggtgctg 480
 ggttttgcaa agtggctatg gacaaaccgc tatggtttga gttcaccacc gc 532

<210> 12630
 <211> 562
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141f01a1
 <400> 12630

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 gataagtgtc taaccttagt aacattgccca catatttgtt tcatttttga attgtgccac 120
 taaaattcta ttcaattcat ctatggctgc ctcttcttat gctatgcaat caatcctggc 180
 aaaccctttg atccgcattt ccagcgggtc taggggtgaac caatttggcg ttcttgcctt 240
 gcacatgaga aggaatgttg gcctgagagt taggtccatg gctaaggaag aacaaccaag 300
 tgagcctgca accccagtta caccgccacc atcagtagaa cccaagccac agccagtctc 360
 tgctccttca ccaaagggtga gcaactaagtt ttctgatgtg ttggcattca gtgggccagc 420
 acctgagagg atcaatggaa gggtggccat gattgggttt gtggctgcaa tggcagtggg 480
 agtagccaaa gggcaagggtg tgctagaaca aatatccaat ggtggcatcc catgtttctt 540
 ggggacaagt gtggtcctta cc 562

<210> 12631
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141f01d1
 <400> 12631

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 ataccaaagt actaccctta acatactcag taaaagccag agcaatcaaa cccaacatag 180
 caaatctccc attccacagg tctgcatctg aggacatgaa ccctttggac ttagactcca 240
 cgctgacacc ttggaagagt ggaatcaagg aagcaagggt aaggaccaca cttgtcccca 300
 agaaccatgg gatgccacca ttggatattt gctctaacac accttgcctt ttggctactt 360
 ccaactgcat tgcagccact aaccaatca tggccaacct tccattgatc ctctcagggtg 420
 ctggcccact gaatgccaac acatcagaaa acttagtgct cacctttggg gaaggagcac 480
 agactggctg tggcttgagt tctactgatg gcggccgggt tactgggggt gcaagctcac 540
 ttggtagctc ttcttagcca tggacctac 569

<210> 12632
 <211> 316

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141f02a1

<400> 12632

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ctcatttccg angggggccca cctggggcca atcgtagagc ggaaaagtga acgacatgct  120
tcaggcgccg actcctgatt ctcaagatgg tggactaggt cacgctggag accatggaag  180
aaccgaattg atgcatgaat ctcaaatgt gaggcgatgat caacagcgac cagttcaacg  240
gctctgatgc cgttacggcc atcaagagaa agatcaatca catgagccca gatgttcaga  300
ccctcagcct tgacct                                     316

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<210> 12633
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141f03a1

<400> 12633

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ggcctgttag cactgggggc tcacgcacta cacagcgctt cactgatctc caagcccctc  180
atttcgattc tgcactctgt caccgcgcac caagcccaga gttgcagata catcacatag  240
aaggcatgtc atggcccacg tcaggtgact agcgatccta aaggatcatca ccatgcctcg  300
atgtggccgt ctggaccttc accatccgtg agctgagcct ccctactgga gagcgcatta  360
gtgatatgcc tacacctgag attgccagag tggctctcgg tggacaatac tactgtcccc  420
aat                                             423

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<210> 12634
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141f04a1

<400> 12634

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 gtcactgcgc atcatgtaca gagttgcagc ttcattcattc agaaggcatc tcaagggccca 180
 tggaggtaac ttgggatcca ttaggttttc aacttcggcc gcggtagctg caaggacttc 240
 atctgggtgt ttgttttagct ggcttactgg agagcgttct agtgctcttc ctctcttga 300
 catacccctt ggtggcgttg ctctcccaga ttcacttcca gatttcgtcg aacaaagcaa 360
 gaccaagatc acaacactct ccaatggact cagaattgca tcagagacct cgcctaacct 420
 tgcagcttca attgggttat atcttgactg tggttccatc tatgagacgc cattttcaag 480
 cggcgcttca cacttgctag agcgaatggc tttcaaaagc acatcanacc gtagtcactt 540
 tcgc 544

<210> 12635

<211> 188

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141f05a1

<400> 12635

cccttggtga gaaaggcaac attgttatat ttcgctttcg aatcattttg gttaatcata 60
 agcatgcact atagttatag catatgtagg gagtgatgtt tggcaattgg catatagcga 120
 cctcaagtat agcctgcatg tttccaataa tgtctttgca ttccaatata atcatttttt 180
 tcttctcc 188

<210> 12636

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220141f05d1

<400> 12636

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 gtcgtcgggc gcccttcgat gggctaataa caacacttat ttttggagac gaaaactgaa 120

actctatggg cacgcaaaca catcatcgaa aacagccaag ctgaacgaga gggccgatta 180
 tgcccattgc caaacgtgac gccctagcta tgccttaaca accgcgccag gctatgaatg 240
 cccacaccga agcgtacacg aaccataaca cgggatgcct ctatcacaaa gactcgaaca 300
 gagggactga cgtacagact cagacttgat actatgtagc aacaaaaatg ggatccctaa 360
 agtcatctca attgccgtgg catcaacaca tggctattgc aaaaaccctg gcatatccca 420
 tggcaatgag cctggatgca caccatact 449

<210> 12637
 <211> 607
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141f06a1
 <400> 12637

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 cggcgtgccc acctcgggat ctctcgggtc tgccttttac gctgccccaa tccagatttg 180
 ggacagcgaa accggcaagg tagccagctg ggctacatcc tttaaattca acattttcgc 240
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 acacatcggc attgacgtga actcgatcaa gtccgtcaaa acggcatcng tgggggttgc 480
 caatggacaa gtggcggaga ttctcgttac ctataatgcc gncacgagcc tcttggttgc 540
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 gagtaat 607

<210> 12638
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141f06d1

<400> 12638

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gaagctagat ggcctcattg agcacaagc ttggaagatc caaagcatca ttgctgctac 180
catctgacaa cttggaagca aaagaccaag aaatcacatc atgggtttca acggagcctt 240
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agttcactgt gtcagagagg atgtaacttg ttttctttga aggggtggatc agagaagcta 360
cctagaggct cgtggcggca ttataggtaa cgagaatcta cgcacttgcc attggacacc 420
cccacgatgc cgtttgacgg actcgatcga gttcacgt 458

<210> 12639

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220141f07a1

<400> 12639

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tttgatccag atctacacgc cgatgggtggg tttggcccgg gtctttcata gatctggtgc 180
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ttaagcagcg tgtctcgcgc gttctacacg tgttgccgat ctgggatgtt gcaaaactag 360
tttatgatgt gaagctatgg actggaaaat ctgtggatgt aggagatttc aggatgaatg 420
ggctcaaaac gcttagtcgt ccgtgggttat tgagtcctga gtgatcttgt catccgacc 479

<210> 12640

<211> 582

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220141f07d1

<400> 12640

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 attctatgct tgtgtaaaga gccgaagtta tcttcacctt aaagaattgt agaagcctaa 180
 ccagattctt tgtaaattcca caatatttct tcaaaaatac cttgacaacc acaatgatat 240
 tgtcatagca gaagccatat agcgccttca cattgatatt ccaatcatcg ccagaagatt 300
 tacaatgtta atgacctaat tctgcattac aaatgttgct gcccgaaattc gaacttctta 360
 caagtagata attgtacaat tatacaaagc ccccgcaata caaatggccc atcttatttg 420
 gatacaagta accggagttt accaaatcaa gtaagatgaa caagggaaca atttacctga 480
 catttacaac agtatagctt cacaatntct ataaacagta aaattatgca taaggagtc 540
 gcagcaggca gctaatatga aatgaagaca attattaata aa 582

<210> 12641
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141f08a1
 <400> 12641

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 agctgcaagc tctttggcct ttcttctctt atcattctct gcaaggaaaa aaaaacttag 120
 atatagacat ttacctatg ttctcctatc aaaatcttag attgattgca ttttaccat 180
 gttattgggt tatagaaacc attattgcat gaatcatcga ggtgggatat ccaattctga 240
 ttagagaata ataccgaaag tacatacgat attgcatcta agttttgtac tttttgaaaa 300
 ttccaaggac tcacgttaag caaattatga aacatatttc aattctcact ggtacaagat 360
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<210> 12642
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141f08d1
 <400> 12642

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 aaaaattggc ctatctaaat tagtgaaaca tcataaggaa ctttgcaagc ccactaggga 180
 tctaccttca ctctacaaa agcactcaga cccaggggcc ttaaccagat gtaactgact 240
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<210> 12643
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141f09a1

<400> 12643

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 cggttcatcg gaccgtacc gagttcaata accaagttga ctcaactcac tcaactcaaa 120
 ctaggtaaca attgtctcac cggaacagtt cccaaggaa ttgccaagct cgccaatcta 180
 acctattgga gtcttgaagg aaaccaactg gaaggtacca taccggactt actgtcttcc 240
 ttcacggatc ttcggattct taattcttct tacaacaaat tgtccgggaa tatgtctaac 300
 tcgatttctt ccctggcgcc gcaactgacg tacttggagc tcgggcacaa ctactatac 360
 gggaaaacgc ctgatcctct gggaaaatgc actgcgcttg acacacttga cctgtcat 418

<210> 12644
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141f09d1

<400> 12644

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 ttgaaaacct taacagttac aggtagttaa acacttgaaa ccagtatcat caacgttgac 180
 tacacttata gctctctgaa aggtgccaaa ggataaccac agtgacactc atttccaaca 240
 aaagcacttg acggaaacta actctcgaca agctgtccac aaatactgtt ataggtaaca 300

ttgaacttcg taaggccatc aacactgttt ggaacactgc gaaacaccca gttacgagtc 360
tgatacactg actaaaatct ctgcccaaac cttatcttac ccagataaga ctttacc 417

<210> 12645
<211> 554
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220141f10a1

<400> 12645

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tgggaaatcc actaccactg gtcacctgat ttacaagctt ggaggcattg acaagcgtgt 180
tattgagagg tttgagaagg aagctgctga gatgaacaag aggtctttca agtatgcctg 240
ggcgctggac aaacttaagg ctgagcgtga aagaggaatc accattgata ttgctttgtg 300
gaagtttgaa acaacaaagt attattgcac agttattgat gcgcctggac atagggattt 360
cattaagaat atgattactg ggacatccca agctgactgt gctgttctta tcattgattc 420
gacactggcg gttttgaagc tgggtatttc aaggatggac agactcgtga acatgctctg 480
ctntcattca cccttgggtg gaaacagatg atttgctgct gtaacaaaat ggatgctact 540
acaccaagt attc 554

<210> 12646
<211> 503
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141f10d1

<400> 12646

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gacaaacaca acacattaaa acacagatga ataaaagcaa ttttgccacc gtcgatcaag 180
aaccacagtc tgggaacaac agttgcgaga tgatgggtgga gacttcaaac tttgtccgaa 240

aaacaagcta cctagaaaag aggacacaag agtacagaaa agaaaccaac atttattgta 300
 accaacaatcc cctgatgaac cagcccgcac gattcacttg ttgttctggg cagccttggt 360
 gaccttggct ccggtaggat ccttcttctc aacgttcttg atgactgcca cagcaacagt 420
 ttgacgcatg tccctaacag cagacctacc aagtggagga tactcggaga aagtttcagc 480
 aaccatgggt ttggttgga tca 503

<210> 12647
 <211> 54
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141f11a1

<400> 12647

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<210> 12648
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220141f11d1

<400> 12648

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 gggacaactg acaccctgcc atttgctgca atgggatcag gtttacaggc tggaatgcct 180
 gtgttcgagg ctaagtacag tgaacgccag gagtagcgat gaaggcattg ggctagatga 240
 tgacgcgac tgtgctggtg tatttaatga gctaggacgt gataggcatg ttgatgttgg 300
 cgtgattgcc aaggacata acgaatatca caggaaccac cttctaccag gtccctcgta 360
 ctatgataat ccacacggcg ttagatttcc caagcagaca gctgttctat taacatagat 420
 tacaccgtcg aaggagaagg ttgaagtgat tgaaggatat gcta 464

<210> 12649
 <211> 519
 <212> DNA
 <213> Glycine max

[illegible]

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aatcagtgcc	atgattctga	ctaagatgaa	ggaaactgcg	gaagcattcc	ttggaaagaa	180
aattaatgat	gccgtgggtca	ctgtcccage	ttacttcaat	gatgctcaga	ggcaggccac	240
caaggatgct	ggtgtcattg	ctgggtctcaa	tgttgctaga	attatcaatg	aaccctactgc	300
tgctgccatt	gcctatggat	tggacaagaa	aggtggcgag	aagaacattc	tagtctttga	360
tcttggtggt	gggacctttg	atgtcagtat	cttgacaatt	gataatggtg	tttttgaagt	420
tcttgccaca	aatggagata	ctcatcttgg	aagtgaggac	tttgatcaga	gaataatgga	480
gtacttcatt	aaattgatca	agataaagca	tggaaagga			519

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<223>      Clone ID: jC-gmf102220141f12d1
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gggaaaaacta	cgcacaaaag	taaagtacag	gtgatttgac	aaaggatctt	atcatcgcca	120
ccaaaaaagc	aagcgcaggg	gacttcttga	ttgccagcta	tcatagcaat	ttaacagact	180
ccgactaatc	tagagctcat	cgtgagaatc	gttctcgtct	tgttggctctg	atgcaccacc	240
accgggtggg	gcttctgcag	atctgtgata	cacagcacta	atgattgggt	tgcaaacagt	300
gttaacctcc	ttgagctggg	atgatcatga	tctgtgtcca	tactctgggt	gtcatccagg	360
cattccagtg	cttgtctcac	agcgggtctga	atttgccact	tgacatcaga	ctccaactag	420
tcagcgagct	tgaccttgtc	actgatctgg	gacgtgatga	cgtatacata	gagattcaag	480
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5788

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220141g01a1

<400> 12651

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 tcccgcggcc ccttctggaa cctcctccgc ctcgctcttcg gcggaatcgt gaaacccatc 120
 caaacctctg gtcagtctct cgccccaaa cgccctctct actcctccgt cacgttccct 180
 tgctccacca cctcctctc caccctcgcc gtcggaaccg acgacgactc cgacgccggc 240
 gtcacccacc actccccgac gcaagtcctc aaaaacttca acgagattcg cctcctccgg 300
 atcgagctcc ccagcggcga gctaggcatc gaagacggcg tgctcctcaa atggcgcgcc 360
 gatttcggat caactctcga caattgcgtc atcctcggcg cctactgcgt cttccacccc 420
 aaagacaacc taaccgaccc catccacacc accaattgca acgcatacga cgacaacgga 480
 agcatccttg attccttcta caccaacggc ggtctcaaac tgcgcgttgc gtggaccatc 540
 agtttctca tcgctgcctg cgccaggcat tacttgctcc aaccattat ctncgagcac 600
 g 601

<210> 12652

<211> 502

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220141g01d1

<400> 12652

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 aagcaaagta cattgctcat ttaacttgag aaaaatatat cataaaggca aaccaaactg 120
 atacctagaa tattcacaga gagatctgat aggacagat gactacaaac ttaaagctct 180
 tacatgatca ttctagttg caggggtgca ctcttacaag cattgcctca aattaaaaaa 240
 accagcagat gcattcagtt ctcaattcaa gcatgattgg tgaatgattt gcagctcctt 300
 tagtaactac tcaaatgtgg gccatagttt cagaagctgg aaagagcaag attccagcga 360
 ccaagctgct tccacttcat gtccgcccaa gaaaatttga gttcagtgat tcccttctat 420
 gaagaactta acattttcta ctttttcaaa tgattctgca ttccctcaca tacgcattat 480

aatgagttca tctcatggca at

502

<210> 12653
<211> 522
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141g02a1

<400> 12653

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catgctggag gatgttgtgt atcctgcaga gattgttggc aaacggggcca gatatagaat 180
tgatggctca aaaataatga aggttttctt ggacccaag gagcgcaaca aactgagta 240
caagctggag accttttctg gagtttacag gaagcttact ggaaaagatg tagtatttga 300
gtatccaatc tcagaagcct gagatgctgc tgcttggttt aatggagtat tgtttttttg 360
gcagattttt ctgttagaat tacatattta tgtaaaca taacccaaaat tttgacttct 420
ggaattttat ttgatgcttc ttcacctga tgacattaaa atcaccaagg gagagtattt 480
tctgtggcta tacttggtt tagattgggt ttcctttagg at 522

<210> 12654
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141g02d1

<400> 12654

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tattgtttta cataaatatg taattctaac agaaaaatct gccaaaaaaa caatactcca 180
ttaaccaag cagcagcatc tcaggcttct gagattggat actcaaatac tacatctttt 240
ccagtaagct tcctgtaaac tccagaaaag gtctccagct tgtactcagt gttgttgctc 300
tccttgggggt ccaagaaaac cttcattatt tttagccat caattctata tctggcccgt 360
ttgccaacaa tctctgcagg atacacaaca tctccagca tggcatcatg gacagcggtc 420

aaagtgcggg ttcggtgtcg ctgaacagca gagcctttct ttggcggtcg cacgacctc 480
 cttgtggcaa tcaagacaac attcttccca ctaa 514

<210> 12655
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220141g03a1
 <400> 12655

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 tcatcagcat taaattctgc gatggattct gctgaaagat tagttgagga ctttgagtca 120
 tatattcata atcaccacaac aaatgggtgc aatacaaatt caactcatga tgggaatggt 180
 gctgcaactg attccacacc tgcagcttct acatctcatt ttagtaggaa tgttgacacc 240
 actgctgata ttggcttaga aattcagaca acagatagta acatacagac tgagactagt 300
 ccattggacc cttcttcttc ttcattctac agaggaagca ctctgttttc aacttcaagg 360
 caagtttcaa atgatcgag aagaaggaga tcaagggtga ggtcttttat gtaaggagat 420
 gtaaatcata ttaccagaag gttcccaatt tatagaaagc gacaatttgc tttttataga 480
 aaattntctg tctatttaag caattgggtt gtataaagga atanacaacc attttt 535

<210> 12656
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141g03d1
 <400> 12656

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 aaaaaacata ttgtcgcttt ctataaattg ggaaccttct ggtaatatga tttacatctc 120
 cttacataaa agaccttcac ctgatctac ttcttctgcg atcattcgaa acttgcccttg 180
 aagtcgaaac acgagtgtt cctctgggag atgaacacca cgaagggtcc aatggactag 240
 tctcagtctg catgttacta cctgctgtct gaatctctaa gccaatatca tcagtgggtg 300

caacattcct actgaaacgc gatggagaaa ctgcaggtgc ggaatcagtt gcagcaacat 360
 tcccatcatg agttgaattt gtattgacac cattgggtgg gtgatcatga atctatgact 420
 caaggtcctc aactaatctt tcagcagaat ccatcgcaga atttaatgct gatgaaaggg 480
 atgaaaacg 489

<210> 12657
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141g04a1
 <400> 12657

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 cgccttcggt cctccgaag atgacgtaat catcaaacac aggcttctca cgcgaccac 120
 caccaccagg ggtgaccctc ccttgaagaa gcttcagaag aagttcacca cgttcgtctc 180
 cgaagtgcac aaagacgaag acatcaacta caacgactgc gagaagctgg ctagagcggt 240
 tctgcaggag ctgacgacat tcgaaattcc gcttctgaag agcaaggcga ttgtggaggc 300
 gaacgttagg gagaaggaga acttcaacga gttgaaggag gaaatgaatc gccagatcct 360
 gctggcgag tccgacattg aggatctcaa gaagcagctt gaggagagca aggttgagag 420
 gaagcacaag gaggagtgcg aggctattag gaagttgatt gccatgcagc ccccgagatc 480
 cgagacaatg aaggttattt cggagttgga gaaggaaatt gccgcgttgg atgccgagaa 540
 cacggctggt tcgaggttgc tggagctcag gaagaagc 578

<210> 12658
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141g04d1
 <400> 12658

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 tactaaggtc taagcactag cataatactg atgtttcatt ttggtatggt tcctactcac 120
 tatcgaaaaa aaaaacatga ctgagatgta tgaaatgttg ccacaggcag actgatattc 180

tacctagata ctgggaaatt gccttttggtt cggccccccc atttgtgtat accatcccat 240
 tcttaagctc ctacgttggc attctcatat gctaaacatg ggtcttttgc tcttcctcta 300
 ttgcgttctg caactcatgc accacatggt acagctgcgc aaattgcttc ttcctgagct 360
 acaacaacct ctaaccatcc gtgttctcgg catccaacgc ggcaatttcc t 411

<210> 12659
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141g05a1

<400> 12659
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 gtgccatgtg gcgggtttta tgcaactggg tgtgcctcaa gtgcttgga gtttgtttcc 120
 aatgactgtt gaaccacatt gtgagtatca ctactgatac gcaggatgat cgcattctga 180
 aggtatataa tacgcttcag acctggacag agtctgcacc tcggagtctg gcttcactgg 240
 gaccttatcc acttcctctg ctagggctga cgtatcatgt gcatcggcac cgtg 294

<210> 12660
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141g05d1

<400> 12660
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 agcatgactg aaccaaagac gcttcttttg aaaacctgac ttagaatcct caatttactg 120
 gaaattcttt taaaacatga atacatgcta agatggctct ctgaaaaatc gtcattggaag 180
 gtctactctt ctaagatgat ctttaactaa aatccatggt agaaagatat tcctctaaaa 240
 cggttcttag catagaatcg tcgcagaaaa ggaccttttt tctaagacag tcgcttatga 300
 aactatcata taaagtacag actttctacg acgttgcccta cgatgatggc ggttgataac 360
 cggcatcaac tggggctttg taccgacata agcttgcggg tgggtgatta gtgtcttaag 420
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<210> 12661
 <211> 580
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220141g06a1

<400> 12661

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 cctcgacctc atccaccact tagccctacg aggcctaacc gtcacaatca taatcacacc 180
 aaaaaacggt cctatcttaa accctctctt atcctcgcat ccaaacacgg tccaaacttt 240
 agttctccca ttccctcccc accctaacat ccccgctggc gcagagaacg tccgtgaggt 300
 cggcaacaga ggaaactacc ccttcatcaa cgccctctcc aaactccaac cagaaattat 360
 ccaactggttc gcaaccacac gtaaccctcc tgtagcactc gtctccgatt tcttcctcgg 420
 ttggactcag caactcgctt cccaactcag tattcctagg atcacgttct actgctccgg 480
 cgcgtcctta atcgccatcc tccagcgctg ctgganaaat ctacactttt acaattcaca 540
 gggagataat aatattatta attttcccga aattcccga 580

<210> 12662
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141g06d1

<400> 12662

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 aatcattaat tgctccgaaa atacaagtca cattcgaagt ttctttccta ataaaatttg 120
 tattctcact taggacttac actctettca tgctcatcca ccaaggctag aacattacga 180
 gctctttcca atcagtgggc tgccatcgtg cagcttcaga tctggaagggt ttgaccacac 240
 tgattacgat aatatattca gaccttcacg tgcttgagca ccagaggctt gacactgatg 300
 catctgttgc atccttactt gctgcatgct aacaccggat gatccaagg gccttcacgg 360
 ccagatacca accgacctat cactcatctt ggatgcatgt ctcagatgga cttt 414

<210> 12663
<211> 340
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220141g07a1

<400> 12663

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tatgactcat tgcttggttac tatctattat tatactatgt aggtcggtta ctgacttgta 120
aatagagatc tactatgctg catagcagca ttgctaagtt actacaaaca agagtagaag 180
caaggcggga aatactgata aatatagatg tggatctaag atatgagtat ttgcaactta 240
gttgatcctt gtgcatatat gctatctgtt gattgacttg gacatagtgg caaaagaatt 300
atatgggtgg acatttaatg aataacacat cctctataag 340

<210> 12664
<211> 314
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220141g07d1

<400> 12664

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cggaggacta aattaagacc agaatcggaa actcaaatgc ccactgtagt tcacagggtt 120
gacgaccttg cttctacccc tgccgaaagt gactaagtac agctgcgctg aacaaagtgg 180
atccaaatgt acaggactgg gaacgagccc caaggtaaga caaatgaatg taagaggata 240
gacggctgct atacggacta acccggcctt gtaccagcg ttctaatect gtgagggcac 300
ctgcctaaga tggt 314

<210> 12665
<211> 387
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220141g08a1

<400> 12665

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 aaccctcttt ttttcttagt ctaaatgatt ttttaatttt taccaaatta tattattttc 300
 attttgatta tttttttcat atttctgata atttttttgg ttgcatttta gcctttatgt 360
 ttagtgatga cgttattaat aaaaattaaa caaaaaacct aatatttctt aaatagggaa 420
 actaaatgta aaattttcaa aacaagagtt atttttgggc ctattaaatt aatatttttt 480
 catttctgat ctacgtaagt ttgttttttt cttttttgaa atttagtgta tgtcaattgg 540
 tgcttgttta a 551

<210> 12668
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141g09d1
 <400> 12668

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 cactcgtcgt cgccgccct tttttgtttt tatttttttt tttgtgtttt tttttttttt 120
 ttattcttat aagggtgga tcagccaaaa aggtattga taaacaatca aatggaatgt 180
 ttaccaaatt gcaattgttc agtatttact atgggtttct caaactcgga tcaaatttt 240
 tgtgagtcta agtattcaaa ccgttaataa gtacataacc cttattacct gataaaactg 300
 tcaactgtac ttaactcaac cttatagtct ctaaagattg tagagggcat gattctttta 360
 taaattcaa atactgttaa tattcattga gattaatagt gccttcaggg gcatgatctt 420
 tttggtgggt tactaaacat ttggcttcta aaggcc 456

<210> 12669
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141g10a1
 <400> 12669

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gtgggattgg aatgagtata ctatacatgt tgttggtggtg tggatgaaga agacacctca 120
 ctgaattaaa ttaaccaggg aaaaccact cttgctcatt tgccttctct ttctctaaaa 180
 caccaaacc ctctatactt ctttctatca aacacagtgc gtgctttttt gttcgtgttc 240
 ttgttctttc gttctcctaa ttgtttcagt ttatgagtga atgaaatggg ggacaagcac 300
 cagcagcacc aggaagactg cagcgatttc accttcgagg acgaatgcac cgaagattac 360
 cggecgctgcg gctaccacgc cgtccgaatc ggcgacacct tcaacgccgg tcgctacgtc 420
 gttcagagta aactcggttg aggccatttc tccactgtct ggctcgcttg ggacaccaga 480
 cattctagat acgtggc 497

<210> 12670
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141g10d1
 <400> 12670

cctcaaaaca tgaagctttg aaaatcggtc caactggcac aatcaaataa gatcaacaaa 60
 atttacttta agaacttcat actcctcatt cctagtttct gtgctccttc attactagac 120
 tctgtgacag accgttacca ttgtccgaga ctaattgacc ctgcatctgc tgaaatatca 180
 aaggacatga ttcgaactac aagaaacata gccaccattg attccaacat tctggttact 240
 ataaactcaa aaatgaattt actaatagat gaaacaggac acatttccca tataccacta 300
 atcgcagact gactggtaac atgtctatca taatatcatt cagcatcaga gtacatgatt 360
 gtgaacactg ttcacaatca agtcgatggc tccaatagac ctaggcctct ttg 413

<210> 12671
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141g11a1
 <400> 12671

cacctctgct gttcatcatg cagcattctg aggtgatact gctatgtagc agctcaatga 60
 ggtggtccgc gagaccggtg gcgcctgtaa cggccaacc aacatgcacc gtcccgtcaa 120

tagtgctact catagcactt gacctgctcc tgctcgcacc aagtacctga gtccattctc 180
agagcagatt ccgtcattcg tgaccggaga attcgctggg gactacagat gggacactgc 240
tggactatac agctgacccg gaaaccttag acaggaacca ggcgctggag gtgagccaca 300
gcacattgtc catgctcggg gcacttgggt gtaccttgcc agagatgctt gcgaataatg 360
gcctgaaat 369

<210> 12672
<211> 415
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141g11d1

<400> 12672

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ctgttctgat cagcaaaatg ggctttttac ataatatgag atggagctta caattgcaca 120
tacttgacta cttacactgt gcacacacca acatgtgctc ataagctaaa aggatgttca 180
taatgaggat gctcgatgga agaataaagg ccacagttgg cggatacata ttaaccagag 240
acttgacaat ataatacacac tgagaactgc actggctgcc aatctccaag tatgcttgta 300
catttacctc agtcgcatca atatgttcaa tatgctcgcc cttgtgattg aagtcacaca 360
aaccatttac atgagtctta tcaccataga tgggtgcctt aaatgtgtga tgctt 415

<210> 12673
<211> 559
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141g12a1

<400> 12673

caccggtgac tctcattcac cttcttttct ctgcctcact gcctctcttt cttaatacag 60
cgctcttccc aaccgctctt ccattctcct tctccaactc caaccctgc ttcctccgt 120
tcattgtgtc actccccatc ttctgagagt gccgggtgtt tgctaccgct ggtccacac 180
ctccacatc accgccatca tcatgaccag cttcttccgc cacaagcctt agaattatac 240
tattgccacc ctacctgttt cttcaacaac aaccggtgac ttcactacag gcacgtggtc 300

tttctctgag gatccaacca tggcggctgg aactgtcttc tgcgctgctg ctactgctgc 360
 ttctaatttg acaacaacca ctcttcttga caaccgatca cctacttaca ccttctgtca 420
 gactactctc gatcctctgt tactctctgc ctgttcccggt ttcctcggtt caagatctat 480
 agtgagtttc ggagatgctc aaggagggca ggggtgcaat gattcattct tgcggcccta 540
 tgatgagaat ggggatgag 559

<210> 12674
 <211> 428
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141g12d1

<400> 12674

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 tttgtcaatt aatttgctat gtaaattcat cctgggaggg atattctgag ctactttctc 120
 aacaagaaga tctttgccat tttcatttga accaaatfff accttgcaa gcaaaaaaat 180
 tatactatta aagccggcga taaacctcca ttgggaacca accacttgag tgccatttct 240
 tgtttgggct attatgaacc aacccttttc taccgcatgt gtctaagttg aaacagaaca 300
 acttgatagt aaaagggaaa gacctgcttt ttatgctatc gagaaaattc agttaggcca 360
 catccaaatg gtttggactt tcttcggaat tccgaatfff cctgaaccct ggggggggaga 420
 ggtataat 428

<210> 12675
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141h01a1

<400> 12675

gctattgatt gagactgagt atgatttttg cgatgctgag attcttgttg aagacatgcg 60
 tgtgggtatt catcgctgca tattggcgtc gcgtagtctg tttttccatg agctttttaa 120
 gaaagggact gatggatcag gcaaggaagg aaagccaagg tatctcatgt cagatttggt 180
 gccttatggc acagttggat atgaagcttt ccaagtgttc ttgtactatt tgtatactgg 240

aagggttaaag gcttcaccaa cagaagtgac aacatgtgtc gatgaaacat gtacccatga 300
 tgcattgccgg cctgctatca attatgcctt agagctgatg tatgcttctg ccacttttca 360
 gatgaaagag ctgggttatac tttgtcagcg gcatctacta aattttgttg agaaggctct 420
 tgcggcagat gtcattccta ttcttatggc tgctttcaac tgccaactag accagcttgt 480
 ctctcagtgc attcgtagag tagcaaggtc tgactttgac aacacatggt tggaaaaaga 540
 gcttcctcgt gaagttgtga ctgaaatcaa att 573

<210> 12676
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141h01d1
 <400> 12676

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 cgtgagggtta gtaatcatat gacctcaata tacacaatga ctgtggcgca caaccgacat 120
 acaattgggc ctggttaatc aagcagaaac gacttgcaaa tagccccgca tgtcagattt 180
 aaagcaataa gtaccggtgg tgagaaagca attctagaac aattgacgat catataacat 240
 ggcagaaaat acacactata gcgctcttga caaggacta tgatattact aagccaaatg 300
 atgtaccatt ctctccttct aattattcct gatacaacat ctataagaaa ctcaatcaag 360
 ctaggaaaaa gctgccatga ccacagcaa aaaccctat tttaactgat catctgattt 420
 gccaaatata ccacttgctc tacttgcaag ctg 453

<210> 12677
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220141h02a1
 <400> 12677

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 aggctcttc tgcgttcagat gctaaggaag cctataagcg actgcagaag agagatgttg 120
 catttgaggt tgatatgcct gcatagggtt cctttgccga ctctcttatt gaactgggtg 180

atgaaattat ggcacagggtt aaaactgtat ttattgattc gctgcctcct tcatggaatg 240
aagattatgt ccgagatctt ctcatgaaat atggagagat tgaaaaagtc gagcttgcta 300
aggacatgcc atctgctctg acgaagaatt atggatatgt tacacttagt atcacatgat 360
gctgctgctg aatgtgctga tagcattac 389

<210> 12678
<211> 589
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220141h03a1
<400> 12678

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agtcataact gatgcaatgt caaagagatc acatgcattg tcaactatag aaggatacag 120
tggttatgga gctgaacaag gtgaaaagcc attaagaagg gcacttgctt caacatttta 180
cagcgatctt ggcatagaag aggatgatat atttgtctca gatggagcaa agtgtgatat 240
atctcgtctc cagattgtct ttgggtcaaa tgtaaaaatg gctgtgcaag acccttcata 300
cccggcatat gtagattcaa gtgtaattat gggccagact ggcctctacc agaaggatgt 360
tgagaagttt gcaaacattg aatacatgag gtgtaatccg gaaaatgggt tctttcctga 420
tttatcttca atttctcgac cagacataat tgttatctgt tctgcaaca atcctactgg 480
tgttgcggca acaaggggaac aactgacca actcgttcag ttgctaagg acaatgggtc 540
tatagtaatc catgaatcag ctcatgcaat gtatatttct ggtgacaac 589

<210> 12679
<211> 376
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220141h03d1
<400> 12679

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gaaaacatgg ggctttttca aagtgaacgc ccctagatt gagtccaggt gaaaccaact 120
actgaaacct agggatatat aaagacgaaa ttccgtgtt aaacggctca aaccgtgata 180

tatccccgcaa aaaaattgcc ctggggccaa aggccctaac cgctgtgaaa caccctccac 240
acggggcata tccggttcca agagttgtta ccaccgggac tttcctctaa atctaagcgg 300
ttgcatccca tggactcagg gcggaaatga ggtcccatcc ctatggggca tttttccctg 360
cataaacttt aaaccc 376

<210> 12680
<211> 486
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141h04a1

<400> 12680

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cgcccttcggt gcctccgaag catgacgtag tcattaaaca caggcttctg acgcgcacga 120
ccaccaccag gggcgaccgt gccttgacga agcttcagac gaggctcacc acgttcgtct 180
ccgaagtcga cagaggcgaa gacatcatct acaacgactg cgagaagctg ggtagagcgt 240
ttctgcagga gctgacgaca ttcgaaagtc cgcttctgaa gagcaaggcg attgtggagg 300
cgaacggtag ggagaaggag aactatagcg agtagaagga ggaaatgaat ggccagatcc 360
tgctggcgca gtccgacatt gaagatgtcc agaagcatct tgtggagagc caggatgaga 420
ggaggcacat tgaggagtgc gaggtatta agaagttgat tgccatgcag tcctcgagat 480
ccgaga 486

<210> 12681
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141h04d1

<400> 12681

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actaagggat ctgcactacc acagtactga cgggccattg tcgcgactta tccactcact 120
atcgagaata aaaacacgac tgaaccgtca aaatgttac aacaggaata ctgatcatca 180
acctagagac tggccaattg ccattgattc gggccacca tttgagagca ccctaccatg 240

ctt

243

<210> 12682
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141h05a1

<400> 12682

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aagcccaaag ccaccaccac caccaccacc atcgccgcca ctctcacacc atccaccacc 120
accaccctc gccgcccggga attgttgctc atcatcacca ccacatgggt gtcctctctg 180
agcccggcac tggcatcctc ggacgaggaa tacgtgaagg agacagagga agtgatcaac 240
aaagcgagga cgacaatcgt gatggacaag aatgacccca acgtggcaac cgcggtagcg 300
gagttacgag aaacctcgaa ctctgggtg gcaaagtaca ggagggagaa agcgcttctt 360
ggacgcgctt cctttaggga catatattcc gcgctcaacg ctgtgtcggg acactacatt 420
agcttcggac caaccgctcc cattccccgc aaacgaaggg caaggatctt ggaggaggtc 480
gacactgctg aaaaggcgct tctaagggga agatgattga cggggaaaaa aggtgttctt 540
tctttttttt tttgtaatgc atc 563

<210> 12683
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220141h05d1

<400> 12683

tctttctttt tttttttttt tttatttttt ttttgatcga ttgaatttag taataaaact 60
ggctccatca tgtccatcac ggaaaacagc ctccatattt gttcatgact atatgactgc 120
atacatgcat ctcttcccct gcgaatgaac ggcataagcg agagcccatg acagttacct 180
ccgtgtgcta cattacaaag atagcacgaa taaaccctt ttttcccct caatgatatt 240
ccccttagaa gcgccttttc agcagtgtcg acctcctgca agatccttgc ccttagttcg 300
gcgggaatgg gagcggctgg tccgaagcta atggaatggc ccaacacagc gttaaccgcg 360

gaatatatgt ccctaattga agcccgtcct agaaggccta tctccctgct gtactttgcc 420
 acccaggatt tccaggctgc tcttatctcc gctacccggg ttgccacgtt ggg 473

<210> 12684
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141h06a1

<400> 12684

agcaccatgg ccttgccaac agtaatatcc ccgaaatcag acaactcact ctcacccatc 60
 aagccccaag gcaccaacac caccagcacc atcgccggca ctctgacacc atccaccacc 120
 acccagcctc gtcgccggga attgctgacc atgatcacca ccacacggtc gctccctatg 180
 agcccgggac tggcattctc ggacgaggaa tacgtgaagg agacagacga agcgatcaac 240
 aaagcgagga cgacattcgc gatggaccag aatgaccgca acgtggcacc cgcgggagcg 300
 cagctacgag agaccttgca ctctgtgag ggcccgtca ggacggagaa cgcgcttatt 360
 ggactgcgct tgctttaagg acatatattc cgcgctcaac gctgtgccgg gacactacat 420
 tagctctgac caaccgcttc cattcccggc aaacgatagg ccaggatctt gtaggaggtc 480
 gacactgctg aaaagggtgct tctaagtgat gatgattgct gcggaaatac ggggcacagg 540
 gagattatct tagtaatgaa tc 562

<210> 12685
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141h06d1

<400> 12685

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 ggctacatca tgccttaac ggaaaatgcc tccatattca ccaatgacaa tatgactgca 120
 taccggtatc tattcgctt ctaatgttcg gcataagcga gagccacgct cagtaacttc 180
 agtttgatac attacaaaga aaaaacaaag aaacccttt cttccccctg aatcatatca 240
 ccattggaag ccccctttga gcaactgtaa acatctacaa gatcctggcc cttagctcgg 300

ctggattggg accgatgggt ccgtagctta cgtactggcc caaactgcg ataagcgctg 360
actaaatgtc cctaaaggaa gacaccccca gaaggatcat ctccct 406

<210> 12686
<211> 595
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220141h07a1

<400> 12686

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aacaggaacc tggaaaagat ggcatccatc gatgcacagc ttaggcaatt ggctcctgcc 120
aaagtgagtg aggatgacaa actgattgag tatgatgctc ttctgttgga tcggttcctt 180
gatattcttc aagatttaca tggggaggat ctgaaggaaa cagtccaaga agtatatgaa 240
ctttcagctg agtatgaagg aaagcatgac cctaagaaac tggaagaact tggaaatttg 300
ataaccagtt tggatgctgg ggactctatt cttgttgcta agtccttttc ccacatgctt 360
aatttgacca acttggtgta agaggtccag atttctcgcc gccgaagaaa caagttgaag 420
aaaggggatt ttgcagatga gaacaacgca actacagaat cagacattng agaaactctc 480
aaaaacttgt atttggttg aagaagtctc ctcaggaagt ttttgatgca ctgaanaacc 540
agactgttga tctggttctt actgctcacc ctactcaatc aattcgtaga tcttt 595

<210> 12687
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220141h07d1

<400> 12687

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agctgactct ttcagcgcag aaaggtggtg tagcataata acaaaacaaa acaaaacaaa 120
gtgcatctga gaacaaaact agagcactaa ctttcagcgc tgcaaccata ttcattgctat 180
cttgatagta ataaaaaaaa ggaaaatata agtaataaat gactcaaaca aacttaacca 240

gtgttctgca tgccaacagc aatacccttc atagtgagaa tgaggggtgct ttctaaacca 300
 ggagcatatt cactagtcgg gttcagattt ataagttcat cagctgattt gcttgcctct 360
 gcagattcct ttgatatgcg ggggcgccacc ttcacatcgt agttaggatc acggatacgt 420
 ctcaatgtgt aagctcggac aatattgagg gcggtaatgg gagcatgacg aatcctgagt 480
 ctttgcct 487

<210> 12688
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141h08a1

<400> 12688
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 gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagt 120
 aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc 180
 ttggagcagg accctgacag caagggtgcc tgtgaaacct gcaccaagac caacatggtg 240
 atgggttttcg gagagatcac aaccaaggcc aacgtggact atgagaagat tgcgcgtgac 300
 acatgcagga acattggttt tgtctctgat gatgaaggtc ttgatgctga caactgcaag 360
 gtctctgtca acattgagca acagagtcct gatattgtc aaggtgtgca cggccacctc 420
 acaaagaggc ctgaggagat tgggtgctggt gaccaaggtc atatgttcgg ctatgccact 480
 gacgagactc ccgagctcat gcccttgagc catgtccttg ccacgaagct cggtgccaag 540
 ctcaccgagg tttcgaagaa cgggacatgc cc 572

<210> 12689
 <211> 425
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220141h08d1

<400> 12689
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 gtgcgttctt gccagaagtt aaaatggccc aagaaacttt cctattgaca tctgaatcag 120

tgaacgaggg gcaccctgac aagctctgtg accagagaaa ccaagctgtg ctcgatgcat 180
gcttggagca ggaccctgac agcaagggtg cctgtgaaac ctgcaccaag accgggtggt 240
gatggaaatc ggagagatca acaaccaagc caacgtggac ttgggaagga agcgcggtgca 300
aattgcggaa cattggtttt gcctccgatg atgttggcca agatgctgac aactgcaagg 360
tcctcccccc attgatcaac agagtccatga tctcgctcaa ggtgtgcacc gccaccttac 420
aaaga 425

<210> 12690
<211> 511
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220141h09a1
<400> 12690

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cctaattttc ttttcgatcc aaaaaatggc tctctcgcg cgttgttgctc aatcgtcgca 120
atcgaatctt ctgaaacccc tagcgctgta cttatcacta cgacgccgtt cggtttcgac 180
ttcgctcagac ccactcacga tagagacctc ggtgcccttc acctcccaca actgcgacgc 240
gccgtcacgc gccgtggaga cctcctcggc ggagctcttt gcgttcttcc acgacatggc 300
gctgatgcgg cggtatggaga tcgcggcgga ctgctctac aaggcgaagc tgatccgcgg 360
cttctgccac ctctacgacg gtcaggaggc tgctcgccgc ggcatggagg ccgccatcac 420
gcgcaaggac tgcgtcatca ccgnectaccg cgaccattgc accttctctg cccgtggcgg 480
aacctatcg agatcttctc cgagctcatg g 511

<210> 12691
<211> 433
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220141h09d1
<400> 12691

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acctaataat aaaataatgg ccaaattttg ccaatcatgg aggtcttgca taacgaaatc 120

cttcaaattt gcaggacact agttgcatgc ttaatcaatt gaggtcatat gagtggttaga 180
 tccttcaaaa ttacatggca aaacattaat ttctgcccga ttgctactga agaatacaatt 240
 tcatatacaa ttcggggaaa gctcaacaaa ttggcagaga tgatcttctg aaccttttat 300
 tcttcattat tttgatcggg tcaaaactaa tgctaagaaa ttcataggaa aagctttaca 360
 tcagggcaaa atatctctaa cttctttcct atgagcgcca catgcctata gaccaaagcc 420
 ttttacatat aca 433

<210> 12692
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141h10a1
 <400> 12692

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 aacccttccc cccgccatgg cagcggtatc ccggtcctcc cccccgcgcc tcctctactc 120
 cctctgctgc accactgcat cgcggtcacc ggcgtcgtcc ctcatcggcg gcgccttcca 180
 tctccgccac ttttcagccg ggaacgcggc gcgcacgaag ccggacaagg agccgtggtg 240
 gaaggagtca atggagcggc tccgcaacat cggaatctcg gcgcacatcg actccgggaa 300
 gacaactctg acggagcggg ttctgtacta cactgggtcgg atccacgaaa tccacgaggt 360
 caggggcagg gacggcgctg gcgccaagat ggactccatg gacttggaga gggagaaggg 420
 aatcaccatt cagtctgctg ccacctactg cacttggaaa gattataaga ttaacattat 480
 tgacacgcct ggatcatgtt at 502

<210> 12693
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220141h10d1
 <400> 12693

acatatcgaa gagctcttaa tcaacaatct aagaagtcac ctgcatcgac aatcacgaac 60
 atgtgtaact tacacaggag ttaggaccca taaccattta actacctgag atataaataa 120

gctgacacca ccaaattcat gtttaaagac cggatagatg acccctgaat cggaacaaca 120
 aacgaagggg tgatcccgtt cccaaaactg gggggggttt ttctttcttc cctgtaaggg 180
 gaaacaagtt ccaaggcaca acccgatatt taaacgccag actgataacg atcttaagaa 240
 aaacaatacg tgcaaaaagg ctttatccgg gctaaatfff aaaagaaccc cttgagcttc 300
 tcttgaaagg ttttcaatgg aaaggggccc gatggggggc tccttgccca cgttgcaaga 360
 gaccccggtg agg 373

<210> 12696
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf10222014h12a1
 <400> 12696

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 gcaactacct gccactaccg gaatctggac tcgacgacgg attgatgacc cctgactcgg 180
 ttctcgaacc ggccgggttc gcccgaacct cgtccgggtc gggaggggtac ggaggggtgg 240
 attgcagaac caccttgggt tgcaactgcca ccaccgaaat tgtgagaaag aagaggaccg 300
 gcgggtccac tttccggcca ccgtgccggc cggcgtgctc gccagtctcg gaaatctcag 360
 cgggtctcat gaaccggagg aaagggaacc ccacgcgggc cccactctat cgaagaactt 420
 gcgagagatg gcgaggaggt tcttttgaag tgaacaag taaaaatact ttatcaaata 480
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 tactata 547

<210> 12697
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf10222014h12d1
 <400> 12697

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gcgcaacttc	ctgccaccac	cggaacctgt	actccaagcc	cgatagatgg	cctcctagtc	180
atgctgaatg	agccacattt	ctcgctgaag	cttcacgctc	tctgcaacct	cacggacggg	240
ctgattgcgt	aacgacctgg	gattgcacct	actccacctc	aaatggaatg	cttgcataaa	300
cctgaggagt	cagttcacca	tcaaagggca	cttgctggac	ttcttgtatc	aaaggacttt	360
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<210>	12698
<211>	455
<212>	DNA
<213>	Glycine max

<400>	12698
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<210>	12699
<211>	494
<212>	DNA
<213>	Glycine max

<400>	12699
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 tggttacacc tacatggatg tttgtgaggt ctgcccagaa aagttgccaa attatgaaca 300
 gaaaatcaaa agcttctttg aagagcatct tcacactgat gaggagatcc gcttttgtgc 360
 tgctggaagt ggctattttg atgttaggga tcgcaatgaa gcttggattc gtgtgtgggt 420
 caagaaagga ggaatgatca tcttacctgc cggaatttat catcgcttta cgctagatga 480
 agagcactac atta 494

<210> 12700
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220142a02a1
 <400> 12700

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 acccaacaaa agaacgttca tttttcattt tcgtttctaa taaagagcat ggccggtggg 180
 tctatcaaga gacattcttt ctccgaagag gaccatgggt tcgcttcttc catggagcct 240
 ggggtattctg ggcaaacca ccacttccat catggtttcg tgtctaggac tttgggttat 300
 ggcactttct acaaccgagg tgtaggagc cattcgattt tctcgccgag atctgggaga 360
 ttttatgatg caagattcga agatcaccaa cccactttc ttcaagcttg ttctctttgc 420
 aagaagcgtc tcggggataa tagtgacatc ttcattgtaca aaggggacac gcctttttgc 480
 agcgaagagt gtagacatga gcaaattggag agagacgaag cccaagagat gaataataac 540
 ctttcttctt cgat 554

<210> 12701
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142a02d1
 <400> 12701

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gttctaagca ctcacctctt tcatacacgt ttgttcgctt gttgagaagc catgggcgag 120
 gatttcgagt tccaagtgc tggcaacatg gaaatgcctg aggaggaaga gtttgagagt 180
 ccgatcctga aggttgggga ggagaaggag attgggaaaa tggggctgaa gaagaaattg 240
 ctcaaggaag gtgaagggtg ggacaccctt gacagtggag accaagttga agtgcattat 300
 actggaacct tgcttgatgg aacccaaatn tgattctagc cgcgataggg gcacccctt 360
 caagttcaag ctaggccaag ggcaagtgat aaagggatgg gatgaaggta tcaaaccatg 420
 agaaaggatga gaatgccctt ttcacatacc cccgaattgc ttatgagagt tgggtctctc 480
 cactatcccc caatgcaact tgagttgagt gagtgc 517

<210> 12702
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142a03a1
 <400> 12702

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 ccccatcttct tttcttcttt cttcttctct ttcgcttctt cgatcttcga tcttcgtcgc 120
 tgaaaatgag agagtgcatt tcaatccaca tcggccaggc cgggattcag gttggaaacg 180
 cctgctggga gctttactgc ctggaacacg gcattcagcc tgatgggcag atgccaagtg 240
 acaagaccgt tgggtggagg gatgatgctt tcaacacctt cttcagtga actggggcag 300
 gaaagcacgt gccccgtgcg atttttgtag atcttgagcc cactgtgatt gatgagggtta 360
 ggactgggac ataccgcaa ctattccatc ctgagcagct cattagtga aaggaggatg 420
 cagcaaacaa ctttgcccggt ggccactata ccattggaaa ggagattgtt gagctntgct 480
 tggaccgcat cagaaagctt gctgacaact gcacaggtct tcaaggtttt ctggttttca 540
 atgctgtggg tggcggaact ggctctggac tnggttcctt ttgct 585

<210> 12703
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142a03d1

<400> 12703

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 aacacaaaaca ctgacgttca tcacacatgt gtagggcctg tttcaactta aaattaaagg 120
 aataacattg gcccatgacg cgacaggtgc accacctagt aatcataatt ttacatcttt 180
 acatacaaaa aacaaagact ttaaatttta aaaagaagaa aagagataaa cagatcatct 240
 taatgaaatg aaacaaaaac ccacaaacat tggctagatt tttgtagttg ttgttgaggc 300
 caacatgatt aatcatgaac cgagagaacg aatcactttg actttaaggg aatggccctg 360
 attaccaact gccgtttgag tgctgcaaga gctgaacttg tgaatggtgc cacccaaaac 420
 atccacagtt tatgcgaaac aggggacttg ttgaagatg 459

<210> 12704

<211> 590

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220142a04a1

<400> 12704

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 tctcaatctt cttcttcttc gagaagccgc tggagttacg atactctcaa gaatttccgt 120
 gagatctctc cgctggttca gaatcacatc aaacggggtt attttacgtt atgttgcgct 180
 gtgggtggctg ctgctgttgg agcttttctt catgttctgt ggaacattgg gggttttctc 240
 accacgttgg cttccattgg aagcatggtt tggttgctat ctacaccccc tgttgaagag 300
 caaaagaggt tgtctctggt gatggcttcg gccttgtttc agggcgcttc cattggacct 360
 ctgattgatt tggctattgc cattgatcct agccttattg ttagtgcatt tgtggcaact 420
 tctttggctt ttgcttgctt ctctgcggca gctntagttg cacggcgtag ggagtacctc 480
 taccttgggtg gtttgcttct ttctgggctg tccattctta tgtggttgca cntgcttcc 540
 tctctctttg ggggctcaat ggcactcttc aagtttgagc tgtactttgg 590

<210> 12705

<211> 368

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142a04d1

<400> 12705

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 caaacacaaa gttaacttac ctcacagggg gccacatgt tttaaaccgc tgattgttgt 120
 ttttccacaa actaaattac tggagaaaaa cccgggctcg aggcgggcgg tcagcctact 180
 aaaacccct tttcttcttt ttctcacttc cctcagagga atttttcacc atttttatta 240
 gaattcttcc aaagattgcc gcccaattag ggaacaaagg caatgggtgt ttcacaaaat 300
 tccgggcacc aaagggggcc cttccaagat attcttgggg gggacttta acgtgggcca 360
 caaacccc 368

<210> 12706
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142a05a1

<400> 12706

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 gggteaactg acaccctccc atttgctaca atgggatcag gttcacttgc tgcaacgtct 180
 gtatttgagt ctaagtacac ggaaagtttg agtcgggatg aaggcattaa gctcgttggt 240
 gaggcgatat gtgctggtat atttaatgac ctaggaagtg gaagtaatgt tgatgtttgt 300
 gcgataacca agggacataa cgaatatctc aggaaccacc ttctaccaga tcctcgtagc 360
 tatgtcaatc caaaaggctt tgatttcccc aaatagacag aggtcctctt agcatagatt 420
 acaccgctga aggagaagggt ggaagtgatt gcaggagatg ctatggaaga gtaacaatca 480
 ttgcaaataa atatggtgta tgagtttgag acttgattag tgcaatggct gtgatatttg 540
 attgtactt tc 552

<210> 12707
 <211> 458

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142a05d1

<400> 12707

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 attttttttg gaatgattgt tactcttcca tagcatttcc ttcaatcact tccaccttct 120
 ccttcaacgg tgtaatcttt gttaagagga cctctgtcctt tttggggaaa tcaaagcctt 180
 ttggattgac ataggtacga ggatttggtga gaaggtgggtt cctgagatat tccttatgtc 240
 ccttgggtat cacacaaaca tcaacattac ttccactttc taggtcatta aatataccag 300
 cacatatcgc ctcaacaact agcttaatgc ctttatccct actcaaactt tccttgact 360
 tagactcaaa tacagacatt gcagcaagtg aacctgatcc cattgtaaca aatgggaggg 420
 tgtcagttga cccatgagga taaaatagtt gcaaatga 458

<210> 12708
 <211> 607
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142a06a1

<400> 12708

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 cttgaaacca gtgtctatcc aagagagcac gagtgcctga aagagatacg caagatgact 180
 gcaaaacacc cactgaacat catggcaaca ccagcagacg aaggacaact tctgagcatg 240
 cttgttaagc tcacgaattc aaagaacgcc ttggaaattg gtgtattcac tggttactct 300
 ctgctctcca ctgccctggc tcttccctt gaggaagaac ctggctttgg atgggaatcg 360
 cgaatactat gagttaggat tgccaataat tcaaaaagct ggagtggctc acaagattga 420
 tttcagagaa ggacctgctc ttccgtttct tgacgagatg cttaaagatg aaaataaaaa 480
 ggggtcgtg gatttcgttt tctgtgatgc tgataaggac aattacttga actaccacaa 540
 gagggacta gagcttgtga agatggagga ctgatcggat acgataaac cctatgggct 600
 ggatctg 607

<210> 12709
 <211> 475
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142a07a1

 <400> 12709

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 gagtggtgtt tttgtttggt ccaggctgga ccagggaatg aatagagatg agaggctttc 120
 ggttgaagag aactgagtta agcggcgaag ccaaacgcag aatcggcggc agaaattgcc 180
 accggaagca cgtcgaagac ggggtgaacca aacacaaaat tccatccacc acttctcttt 240
 tcaatcccca actcaaactc gtgaagaaaa tctcaatttc taaattgtaa ttcttagcac 300
 tactgctagt agtagtaaaa aaaaacaatt agaaagtagt agagtgattt ttttttcttt 360
 ttttcgtttg ttttactttt aagatgggtg agaagagcaa cgttggcggc gacgcgatta 420
 acacgacact gcttacggga agtacgagct gggccggctg ttaggccacg gaacc 475

<210> 12710
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142a08a1

 <400> 12710

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 ccccgaccat attcccccaa aatatcaaac gcggtaaaaa taaagcacia ggaggaacag 120
 gcttcaaggg atacatgacc gtatgaagaa caacctaaat ttacactttt aaggcataaa 180
 attaaatgaa ccttctaatac caggaaatcc aattaccata gttcctttcc tgcttaagtt 240
 caaataagag aaccacaaat tgaaaatagg acagagatat gtcaaaaggg ttctgggaag 300
 gcctcacttg gcactcaagg ttgggaaatg cccggcatct tcaatggatg gagcaggtgc 360
 attggttggtg gcacttccat g 381

<210> 12711
 <211> 338

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142a08d1

<400> 12711

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 atattccatt catatacaac attttttccc cttattactg aaaatgtgga attgggatcc 120
 tcttgaatat caactcattc tctagatata agatatgcct aacatgaaat caaataatcc 180
 caaattatat aagaacattt tgctcctta tttctgaaat agtggaattg gaatccccc 240
 tgaaatctca cctcattttc attgggttaa ggattcccct tctttgaaaa caatattatt 300
 tcaatttctt ctattaacat tttgcctct catatttc 338

<210> 12712
 <211> 133
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142a09a1

<400> 12712

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 gtgatacaaa aacaatcctt ttcttttgcc atatttatgt aattttaaca ttagtaaaat 120
 ttctatttct ttt 133

<210> 12713
 <211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142a09d1

<400> 12713

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 aacaaataat tccaattcat atatgaacat tttgcctcc ttatttcttg aaaaagtgga 120
 atggggattt ttccaggaaa tccccctca tttcctttgg cttcaggata ggcctaataa 180
 gaaaacaaat tattccaatt catatatgaa catattagcc ttcttatttc ttgaaaatgt 240

ggaattggaa ttccccgagg aattccgata tcatttcctt tggcttcagg ataggcctaa 300
 taagaaaaca aataattcca attcatatat gaacattttt gcctacttat ttcttgaaaa 360
 tgtggaattg gaattccccg agg 383

<210> 12714
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142a10a1
 <400> 12714

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 ggcattggtg atagcttctt cagcaccatt attattggcg gcatgccctt acacctccat 120
 cttcagcttc ggtgattcac ttgcagacac tggcaacttg tatttcagcc cctaccacc 180
 caccaaccac tgccttttcc ctccctacgg cgaaaccttc tttcaccatg tcaactggacg 240
 ctgctccgat ggccgcctca tcatcgattt catcgctgag tcaactggga ttccacgggt 300
 gaagccgcat ctgggaatca agactatngg gagatggagt gtggaagaaa gggggacca 360
 attttgctgt tattggagcc acggctttag atttcagctt ctttga 406

<210> 12715
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220142a11a1
 <400> 12715

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 ccaaaaactcg aagatcttgg tgaggaagcc catggcaaatt cagcagaaca tagtggtggc 120
 agatggcaca gggcagaaga acatgcccac aggaatagtc ctccataact gcgagatcat 180
 gccggaccct accctcttgg cagaccgctt gagcgtgaag acttacttgg ccaggccatg 240
 gaaggcatto tcaagggcag tgttcacga gaatgttato ggggacttga ttcagccaga 300
 tggttatatt ccatggaacc caattgaacc aaacacacag gattgctact tcgctgagtt 360

tggcaacact gga

373

<210> 12716
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142a11d1

<400> 12716

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tgccctttaac ttggccagag gccctgttca ttgaatcagt gaaaaccggg aaaaactcgt 180
taaaaaaaag agagacaaag aagatctaca ctgcaacctt tacgtcgac ggtgcaccaa 240
acatgaaaag gggctctgcc aaaatcaaga acaaccacg aaaaacatac gcttaatcca 300
ccccctcaat tgtgggacca accccacatt acaatggccg ctgcaggacc ctcctaaatc 360
aagggccac ccagtataac aaccaacacc gcggcgcacc atttggtttg aagggatctc 420
caatgctgtc caaatccttc atcttattcc aaaaagctgg accctcaa 468

<210> 12717
<211> 405
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142a12a1

<400> 12717

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acggactcgc cttcgcgcgc aacgagctcc agctggagga tgccatctac ttcaaccacg 120
agtttctcca gagcatggga gtgttccata gcaaaacaca ggctggaaat catcaagctc 180
gcaaagaaag acgttggcgg cgggtggggcg gcgatgatga tgaggagcag catcagcatc 240
aagtgttcta tcaagaagtg cctgaggaag tgcttcagct agctcgcttc gcgtgaagat 300
caccaccaag cgacgattgc gacaacagcg atgatggcga ccgagccgta atggtaccaa 360
gggaagtgga ggaaggcaag gcacaatggg aacaatgagg atctc 405

<210> 12718

[illegible]

<400> 12718

<210>	12719
<211>	459
<212>	DNA
<213>	Glycine max

<400>	12719
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<210> 12720

<211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142b01d1

<400> 12720

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 gaaccagatc tacacgccga tgggtggtttt ggcctgggtct ttcatagatc tgatgcatgg 180
 aggctcagat ctactgtaca gagatactgt agataatcga tgagaagaac gcagatccag 240
 ccgcttccgc ttgttcgatc gctacagacg cttgtatcgg attattcatg attgattcat 300
 aagcagcatg tcttcctccg gctatagttg ttgcagatct cggatgttgt aaaattagt 360
 tatgatgtga agctatgggc tggaaaatgt ggatgtagga gatttcggga cgaaaggcct 420
 caaaacgctt cgtcggttgt gggttactgag tcctgagtga tcttgtcac cgcacctttgc 480
 catgacaggt gcgcttgctt ggcaggtcaa atatgttaat aaaaaagttt attgggttagg 540
 gg 542

<210> 12721
 <211> 575
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142b02a1

<400> 12721

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 caactctctg agaacttcta tgatagtaaa tgtcccaagg ttttctatgc cgtaaaatcc 180
 gttcttcaat ctgctttggc taaagaacct cgccaggag catctatcgt tcgcctcttc 240
 tttcatgact gctttgtcaa tggttgtgat ggatcagtac tacttgatgg cccttctca 300
 gagaagactg cacctcccaa caataactct ttgagagggt atgaagtc at tgatgccatc 360
 aagtctaagg tcgagacagt atgccccgga gtgggtgtcat gtgctgatat tgtaaccatt 420
 gctgctcgtg actctgttgc aatccttgga gggccatatt gaagggttaa cttggtagaa 480

gggattccac gactggattn ttcaaccttg ctagcagtgg tgtgctccca ggacctgggt 540
cttcctcag cgacctttat caaagatttg atgat 575

<210> 12722
<211> 445
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142b02d1

<400> 12722

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atgatgctgt agctaagaac cctgagaagg agtttttgaa gactattact ggcaagaaag 180
agacctcat tgaccttaca attatagaaa ttttatcaag gcacgcattt gatgagttct 240
accttgggca gagagatggc ggtgactact ggacttctga tgccggggcca ttagaggcct 300
ttaagaggtt tggaagaat cttgaagaga ttgaaaagaa gcttatagag aagaacaata 360
atgagacatt gagaaaccgc tatggggcgg ctaaaatgcc ttacactttg ctctatcctt 420
ctagtgagga gggattgact ttcag 445

<210> 12723
<211> 503
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142b03a1

<400> 12723

aaagaatccc aggcgaggag aaagatggag gggaaggagc aggatgtgtc gttgggagcg 60
aacaagttcc ccgagagaca gccgattggg acggcggcgc agagccaaga cgacggcaag 120
gactaccagg agccggcgcc ggcgccgctg gttgaccga cggagtttac gtcattggtc 180
ttttacagag cagggatagc agagtttggt gccacttttc tgtttctcta catcacggtc 240
ttaaccgtta tgggagtcgc cggggctaag tctaagtgtg gtaccgttgg gattcaagga 300
atcgcttggg ccttcggttg catgatcttc gccctcggtt actgcaccgc tggcatctca 360
gggggacaca taaaccggc ggtgacattt gggctgtttt tggcgaggaa gttgtcgttg 420

cccagggcga ttttctacat cgtgatgcaa tgcttgggtg ctatttgtgg cgctggcgtg 480
gtgaaggggtt tcgaggggaa aac 503

<210> 12724
<211> 421
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142b03d1

<400> 12724

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acacaatcac agccgtacat cacacatgag ttgggcctct tccaacttaa aagcagagga 120
taacattggc ccattgacgag acacatgcac cacctaataa tcataatttt acatttttac 180
atacaaaata caaagacttt aaattttaaa aagaagaaaa gagataaaca gatcatctta 240
atgaaatgaa accaaaaccc acaaacattg gcttgatttt tgttgctggt gttgttccca 300
acttgattaa gcatgaaccg gttgattgaa tcacttggac ttgaagggaa tggccctgat 360
tacgaccttg tggtagagtg cttgaagagc tgcaccgatt aatgggtcccc ccagaagat 420
c 421

<210> 12725
<211> 599
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142b04a1

<400> 12725

aaaccaactc cttcctgctt gccccttctc agatcgccgg ttccggtaag tcccaaaact 60
cgaaccctag ccctaaccct aaccataacc ctaacccag ctattcgaat tcccctctc 120
ttcgcgcaat catggcgacg tctttggtga gctccgctgg tgggatgctg gcgatgctga 180
atgagccaca tctctcgctg aagcttcacg ctctctccaa cctcaacaac ttggtcgaca 240
ccttctggcc agagatctcc actagtctcc caaagataga gagcctgcat gaagatgagg 300
agtttgatca acatcaaagg caacttgctg cacttcttgt atcagaggtc ttttattacc 360
tggttgaact taatgactcg ttgtcttatg cccttggagc tggtcctctg tttgatgttt 420

cagaggattc tgactatgcg cacactcttc ttgctaaagc cattgatgaa tatgccagcc 480
 ttaagtctaa ggcagcagag tcaagtgatg aatctatcat agtggacca aggatggaag 540
 caattgtgga gaggtgatg gataagtgat cgtggatgga tataccaaca gctatggga 599

<210> 12726
 <211> 69
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142b04d1

<400> 12726

aatgggttct gaatttatta acaccggggg tcataattgt tcaacgttat taaatatact 60
 aacaaaaag 69

<210> 12727
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142b05a1

<400> 12727

gtgcagagac tatgggatcg aatagcagaa agcgagcttt ctgactgtgt tatgttgtct 60
 gtcgttacca ccagcaacgc gggtgacatg aagctaaccg aacagggatc atacataaac 120
 ctgactgttt tgggcatgat ggaaat 146

<210> 12728
 <211> 215
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142b05d1

<400> 12728

ctgccctgta tgtcaattga catctacca anaatatccg gggagaccac cgcacactac 60
 tccgcggccg ccctttatta attttttttc tttctttttt ataaaccata atgcataata 120
 gagatcattt ggggaataag tattcaccaa gcaatttatg gatacaaaaag gcggctcctc 180

taaaatttaa tgttattaag cacacaaggg gaaaa

215

<210> 12729
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142b06a1
 <400> 12729

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 cactgcgttc ctcaacaacc cgaacctgtg cggatttcct ttgcagaagc cctgcgcagg 120
 ttcggcgccg agcgaaccgg ggctcagccc tggttctcgt ggggcgcacc ggcccacaaa 180
 gaggctgagc cccagttcga ttatcttgat ctcggtggcg gatgccgccg ggggtggcctt 240
 gattggactt gcggtggcct atgtttattg gaagaggaag ggcaagtcca atgtgtgtag 300
 ttgcactttg aaagggaagt ttggtgggga gaggaggagt tgagcttggc ttgttgtaga 360
 gaggggggaa atggccacag acatggggag ctaatggtag cttaagattt gaaattgagc 420
 tgaaacatgg agccaatgct ggacttgcaa atgcatttga acttctcagc cgatcaaaga 480
 caaatat 487

<210> 12730
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142b06d1
 <400> 12730

aaaatcataa tgcataatag agatcatttc ataaataagt attcagcaag caatttatgg 60
 atacaaaagg cggctccgat aaaatttaat gttattaagc aaacaagggg aaaaaagaaa 120
 aagagtagca gagtcggttt tccacgagac gagaagagac acgcaactcg ataagtatca 180
 caaaagatta cagaagaaaa ggaacattct cttctcaact atatcctatt tgttgctggt 240
 gctgaggtgg ttggtaacca ggataccccg gataactgcc atacatgttg ggatcctgtc 300
 cagcagcagg agcataccca taattttcat aaccttgtgc agcataccca tagtatccac 360
 caccagaacc agcaccacca ttccactggt ttggatctgc ctgagcctgt ttgttagaag 420

gactgcggcc ccatgaaaga cgaacatt

448

<210> 12731
<211> 131
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142b07a1

<400> 12731

gtctggctct tgaattgatt tcggcatgct atacacttga acaccacacg acaaccggac 60
catgactatc tggcatggtc attgggagag ccttgagaag gcccgacgcc actcacgata 120
tgtagcacc a 131

<210> 12732
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220142b08a1

<400> 12732

gaacaaaaac tggagcgtgt tggccccctt gcagtncaac cttaaattta ccggcacgac 60
ccgctcacta gggctcgggc gccctctcaa ctctctcaa caatttcttt ttttcttttg 120
ggctgctcaa attcaagcag ggggatttgt atgctcggcc tcacagaatt actcagaatg 180
ctccctcttc tccccggat tctgtaagtc cagactgcaa tgcttgcaact cctctgctca 240
aatatcgac ctatttctca ctaccaaca attaacaggg catgacaatg gaggcaaatt 300
ccaagctgtg tcaccccaa caactgctgc gtaatgagcc agaccgagcg cagagcgcca 360
gaaaagatat caaggagctt ctcaaagcac caattgcctt gctgggtctta tccgatccgg 420
acggggtgat gctggtactt ataataagaa tattgccgag tgg 463

<210> 12733
<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142b08d1

<400> 12733

002220"032200

agaacaagtg tgcaaaatgc caatgcaatt atagtaaaaa tcagaagaac aaaatccaac 60
tagtttccaa gcagtgatgt caaaaatgcc aaaacagcaa taataattat gatatttaga 120
aaatagtttg actgtagagg cttatctggg cttccaccaa tcgcctcata ttcagcccg 180
atcttctgct tcataccgtc agacagttct ctctttccag tggagtactt ggctgctaca 240
aacttctctg ccctgcatt tggagaatca tctatcacia tgcctctctg aggatcaa 300
ttggctccaa ggttgctaag ttttgcattg gcttcagcat aatctttaa gaatgcttcc 360
tgatcttcag catatttctc agcatatacc ttgaaggatg ggtcttcaaa aagagcagca 420
tcagttggca ataccaatag atcttcatcc ttttttctt tgatgtcctt gaagtaagag 480
ttgtcaaatt tcaaccattg cactgtccag gattgtcctt cgggtgctcc tg 532

<210> 12734
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142b09a1

<400> 12734

aaaaaatcgt agttggaggc gccgcactcc actccactcc aatcaatcag atactagcga 60
tggggaggaa gcgaaaggta gcaccgaaat cttctgtatc cgccgagccc ccgctgaagc 120
aacaccaacc aaaacccgaa aatgccgctc aggaatacga agaagaggtc gaagaggaag 180
ttgaggaaga agaggtagag gaagaggctg aagaggaaga agaagaagag gaggacgaag 240
aggacgagga agaagaagaa gaagaccaa aagaccaata ccagcaccaa caacaacagc 300
aagacgaaga cgacgacccg atctccaagc ttctggaacc gttgagcaag gaccagctcc 360
tcatecttct ctgcgaggcg gcggccaagc accaagacgt ggctgagagg atccgaaggg 420
cggccgacga ggatccggtg caccggaaga tatttgtcca cggattgggc tgggacacaa 480
ccgccggaac cctaatacgt 500

<210> 12735
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations

aaaaaaaaa gttctgttga agattcacaa gtccattcta ttttgccctg aaaactggtt 120
 ttgtgtcagg ggatggttgg gtccttcgag ggtatttgag tagcaaccct ttgaaaaaa 180
 gacctggtcc cttcaaattt ttgatatagg ggtgcaaaat tttccattcc cattttggcc 240
 tttttttgaa aaaaatggaa aaaccctcgg ttggaggggg agggaaaaac cccaccttga 300
 aggccccaac cctgttttaa actccaagtt tttttgttaa aacctcttct ttcacaaaaa 360
 aaaaggggga agccttcctg gtggaaattt ttgtttccat tcatccatga aactttttaa 420
 ctttttctta ccccttttta ggaattttt 449

<210> 12738
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142b11a1
 <400> 12738

ctccagtccg aagtctgctc ctttaccgag ggtcgcattg aattggaaga aatcaaagaa 60
 gaacgaatca ataacacgaa tacctcaagt gagagggaga aatggaatcg cctccgcagc 120
 tgggttcaag aggggcagaa acacttaaac atatagctcc tggatcatca atttctgttg 180
 catatcacc cttttttgga ccttatgatg acctcctctt tctagagctt gatgagaaac 240
 ttctcccaga tgttctgaat gaaaggggtg tcttgagagg acagcctgat gaagatgccg 300
 ttctttgtac tctatccaaa acctatgcta tgaagtttgt tggaacttcc aattctgttc 360
 tgcttgtacc tncagcaaat cattcgggaa ttagtgaaa atccacaaaa gaatgatagt 420
 actaatgatg aa 432

<210> 12739
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142b11d1
 <400> 12739

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 ggtgacaaac aacacgcaga accaagaacc ggcataaga acgagcgcac aggactggat 120

gccatgagca acaaacaggc ctgctatcgt gaccaagtct gcactaaaac tcaatgcaga 180
 aaatggcatg eggacatcat aaaacgaacg aaaggtagag actctcggtc atggtaacat 240
 gaacatcgcc caatcaccac ttgagaggcc gaacattatc aacggccgca cacagaagga 300
 acgccaccaa aagctggcca tatacatgaa taagaggaac cacaggaatt tcgggaggaa 360
 aatcaagaat gactgcacga aggcacttgc tgacagtcac tcaggaatcc ggggaaaata 420
 cgcgaggact gaagaatcag catgtcacac ac 452

<210> 12740
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220142b12a1
 <400> 12740

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 gtattgaaga atttatacca ttgttgaggg agcgcatgaa tgtactgaat ccatatgtcc 120
 gtcagttttt ggtaggatgg attactgtat tggacagtgt cccagatatt gacatgcttg 180
 gttttcttcc tgattttctt gatggtttgt ttaatatgtt gagcgattca agtcatgaaa 240
 tacgtcaaca agctgattca gctctttctg agtttcttca agagattaag aattcaccat 300
 ctgtagatta tggtcgaatg gctgaaatac tggtaaaaag ggcaggttct ccagatgaat 360
 ttactagggt aacagctatc acatggataa atgagtttgt caaacttggg ggagatcagc 420
 ttgttccata ttatgctgac attcttggag cttgtttgcc ttgcatatct gataaagaag 480
 agaaaattag agtg 494

<210> 12741
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142c01a1
 <400> 12741

aaaaaatagt agtactattg taacgttgtg acttgtaggg agggaaatgg agggagggtga 60

cggtgggcat tgggtgttgg agttccttct ccgggctcgg taccattcg tttccagtâa 120
 cctactcaag aaagtccttc gaatagtcac actttcagac tttgattcca ggcttcagaa 180
 gacgcttctt ctacgaaccc ttcaagacca cttgttcgct gtctctgtcc ccgaatccgt 240
 tctcgaaacc ctcgagctcc tcgaggaact tcaccgtcgc gacgactgcg ctctgatcac 300
 cgteggcgcc atgagcgccg tctactgcg cttgctggcg gactgcactc tcaagcacct 360
 gctgggtgaa ctccacatca accctgccta cctcgggcgcc gtgaacagga tatggcggtg 420
 tagggttcgg cacatgagcg gttccagnga gggcagactt cttctctcgc tggagttgga 480
 actgtggaga accgacatcg 500

<210> 12742
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142c01d1
 <400> 12742

ttttctgggt tttctctgtt gcttcatctt tttgttcttt tgggttgctt aaattttgaa 60
 actttttgca ctttcgattt ccatatgcat ctggggcatc actattcact acatatttat 120
 gtttttcttc tttctagatg gtaatggtat cgaggggatt tattcttgac aggcattggt 180
 tttgttgaat tgatagcagg atgatcagag actgtgcata agaattatag ctaattgttt 240
 atgcaatgaa atgcttttac tattcactaa attgttgcg ctttcttctt tctaggtggc 300
 aaggatatta tgggttttat tcttgacaga cattttttat ttgtgatttg ttgaattgat 360
 aacaggctga tcagagactg tgcacaagaa tcatagctga tntgttatgc aatgaactgc 420
 ttttactatt tcagagacaa atc 443

<210> 12743
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142c02a1
 <400> 12743

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gttcgaccac tagttcgatc gcgaacgcgt agacagagat cgcgactacg agcacaatcg 120
tctactccac aaccgccatc aacgtagaga attctcatac tgaggggtcat ggggtaccggt 180
caccatagct ttatccaccg ctatcagacg atgtcgcagc cgtctccgcg gatcgcaagc 240
agaatgccag cgtgtttcttc cgtataggca ttccacgctg cagaagaact gcgttctaata 300
agacaagtca gcgatgatcg cacaacagag cctgccggtg gcgctgccga tgtcgacgcc 360
gctgccactg cctattcggc acacctgatg actatgtcga acgggtacta cggatgtagg 420
aagatca 427

<210> 12744
<211> 120
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220142c02d1
<400> 12744

gttacaacaa ggattttcttt aacttataat aagagtttta actttccatg gcgcaataat 60
ggaaaattgt ggggatctgg tgacagaaac ggagaaccat gcctatatgg ccgcatgcga 120

<210> 12745
<211> 561
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220142c03a1
<400> 12745

cctccctcaa atcccaaacc agcaaaaacc tttcttcaca aaatggcctc aacaactcta 60
acaaccctca cctcgcgac gctatcttat cctacacct cctcttctta ccctacgcac 120
ctctccgcca aacctctct cctccaattc cccaatctct cccaccgcgc cgtcaccacg 180
cgccgcccc gtgtcgtcgt ctccgccgtt gagggcgccg agaaaatcac caagctcggc 240
gacgaaatcg ccggactcac gctcgaggag gccagaacc tcgtcgactt cctccaggac 300
aagctcggcg tctccgcggc ggcgttcgcc cctgtggcag tcgccgcggg tgccggcggc 360
gctgtggcgg acgcgccggc ggtggttgag gagaagacgg agttcgacgt ggtgatcgag 420
gaagtgccga gcaacgctcg aatcgcggtg attaaggcgg tgagggcatt gacgaaccta 480

gcgctgaagg aggcgaagga gttgatcgaa gggttgccga agaagttcaa ggaagggatt 540
tcaaggacga agctgaagat g 561

<210> 12746
<211> 471
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142c03d1

<400> 12746

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gtttccttat tacaaaaaaa agattgaaat tcctacaaaa tggaaatgaa aattcagggg 120
tctgggtgaac tcaacttcaa ccaacaaaag aagaagcaca acatttttgc tgtacctaaa 180
caggggtttaa acaaaggtaa ccttggcacc agctttttcg agttgcttct tcgcattttc 240
agcttcgttc tttgaaatcc ctctccttgaa cttttttggg aaccctttga tcaactcctt 300
cgcttctttt aaggcttggg ttgtcaatgc cctcaccgcc ttaatcaccg ggatttgagc 360
gttggtcggc accttcttga tcaccacggc gaactccgtt tttttcttaa ccaccggcgg 420
ggcgttcagc acaaggcctc cggcacccgc ggtgaatgcc acatgggcaa a 471

<210> 12747
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142c04a1

<400> 12747

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attacaatta tctctctaag tacacccacc cagtctgtgc tatatacttg tattatctct 120
atattattac actgatcttg aataagcatg gcagagaata ccacgaacac ggtggaggtc 180
caattgggtt gcggttcgat gggaagaatt ttgcatctca aaacctatca caggactaga 240
aaatcctctg ctcatcact acccgtgaag gcttgcaaca aactgctca gtaacagacg 300
gatcaggcca ataacgaagc caaacctct ccaaaccatg aatcaaatgt tccaagagat 360
agctgcattg gaaccattcc tacactgaaa gtggagcaga atccagcgag agagagcagc 420

tatagtcacc gtgcaccttc agcataccag atcactcaaa acgggagagc ctcggacgct 480
gcacgaacct caattcaacg aagccacgac tcatatgaag agagtataca tcatcagatt 540
gagcacgct 549

<210> 12748
<211> 445
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142c04d1

<400> 12748

ccaaaccatt atgcactgag tgggaggaat taaagacctc ccaaaccattc aaaagtatta 60
ataaagtcaa tttctaaccac aaaggatcac tttttctata cctttttcta cagcttttaa 120
caatgctatg tttcatctat ggattcctct gacttgggag caagggtgacc aaatttatga 180
agcagatata atcagcttga ttaattttcg gcaatcttcc tttccattca taaaaatcta 240
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ctataattta actaatttgg ccaacaaaac gcggttgta actggaatta ctttaatccg 360
tgatccattc tcgaatatta taaaggctgg gatgtagttt acaccttttg atttagccaa 420
aatgggtgga cttcaatctt cacct 445

<210> 12749
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142c05a1

<400> 12749

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tcagcaccgt acaagagctc tctgagtcca ccgctgctct ctacgtagca tgaatgagct 120
gcgctgactg caccggatgc gcgtagaagg ccgtaacacg cctccgaggc atgcgtgtag 180
ccatcgaatg cgtcctgaac gtcctagctc acatcctgtt cgacccttcc ttcctgaacg 240
tggagactat tcacgaggca actgaggacg ctaggatcaa agtcgagtat ctacagact 300
acgtagaatc cattcaagta tgcctgatcc agaccatagg attgatctgc agctcctgct 360

cgtacagtct ggaatccgta ctgcaagccc ttgacggagt ccttgaagcc cgcgtagggcc 420
 ttgccaccga agaggcccat gtacactaca acccaattct cctcaccac 469

<210> 12750
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142c05d1

<400> 12750

gtgcagaaga gaggaagtat aaatttttaa aggaaagaaa agagcccttg gaagttgtta 60
 cacctttgtt cactaggcta aaatcatgac gagacgacac ttataaacat gattacatac 120
 aaaagtggct ttaagccaaa ccatcaatcg tgatgcgtta tatatcactg ggtgacgcaa 180
 cccttgtgcc acgtatcttg aggttgtata gcttcctggg tctcctggga taatacaaca 240
 tcggagaaca gtagaccatg ctgacagagg aggcacccat agaagaccca gctgtccggg 300
 gtggcaatca gaaccgtgca tgggggggaa gagctccata cacatttggg atgccaagca 360
 gggtataacc caaagcccgaa aag 383

<210> 12751
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142c06a1

<400> 12751

gataattctg cagccgtagg tgaagacgtg ggtgaggtta agtgtggcat tgctgacata 60
 gaagtgaaca tgggtgaaag ccatgcaaat ctcaaaataa gatccaagaa gcgccccaaag 120
 cagctcttga agttggtttc tggtttgcac accatgcgcc tcacaatctt gcacctaaat 180
 gttactacca ccggtgaagt tggttctctac tctcttagtg ttaaggtaga agatgattgc 240
 aagttgggat cagttgatga tatagctgca gctgtgtacc agatgctaga taaaattcag 300
 caagaggcaa tgttgaatta agatcaaacc ttgaccaaata atgccttgcc ccactttggt 360
 ttttaacctca tgtcaacacc ttacttcatg gtggggatca tgtctctcgc tatttttctc 420
 tataaggatg tacctaatta ttgcactttc tgttcacttc accctttgtt aatctact 478

<210> 12752
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142c07a1

<400> 12752

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 ctttgccttc tctttctctc tctagaattc tcagatttgc ggggagagat gatgcagcag 120
 ccaggaccgc gcatggcacc tcccaccatg ggccagcagc cgccgcaaca gtaccagcag 180
 cctccgccgc agcagcagca accctacgtc atgatgccgc cgcaggccca ggccccgcag 240
 gccatgtggg cccctccgc ccagcctccg ctcagcagc agcccgcag cgccgacgag 300
 gtccgaaccc tctgggatcg gggatctgca gtactggatg gacgagaact atctctatac 360
 ctgctttgct cacaccgcgg aggttacatc ggtaaagta attcgaaaca agcaaactag 420
 tcaatctgaa gggatttggg ttatttgagt ttaataagtc gtgctggagc tgagagaatt 480
 cttcaaacat ataatggggc antaatgcc 509

<210> 12753
 <211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142c07d1

<400> 12753

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 cataaatatg agtcttcaag tttttgatta aggtatgatg ttaatcaaaa gtttcaagaa 180
 gtgttattta actaggtagt agtacttttc ttttcattat tggtatcatc actgtcaact 240
 ttttctcctt taccaccatc atcaatttcc tttctctgct ggtcctcttt ggccctcttgt 300
 tccttctttt tagcctccaa tttctgagtt tctttcttct ttctcatgaa atctataagc 360
 tggtcgaggc tagtttcgat gtggctgctc ttcagaagct gttctgctac ctcagcagga 420

tccttctttt tagcctccaa tttctgagtt tctttcttct ttctcatgaa atctataagc 360
 tgttcgaggc tagtttcgat gtggctgctc ttcagaagct gttctgctac ctcagcagga 420
 gtcacctggg ttttctgcat ctcttcctcg atcttttctga agagagaatg ctctttgatt 480
 ccgaggtaat atggagctag ctgcctgaaa ccacagggag tgcaatagga catgtgaatg 540
 tgaacatcca t 551

<210> 12756
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142c09a1

<400> 12756
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 agaggtcctc ttccaatttg aagctagcga ggatggacaa gtccagttct ttccaaatgc 120
 tccagttgat gttgacaatt ctcccagctt tgttgccatc aatgtcagtc ctattgagta 180
 tgggcatggt ttgctgattc cgcgcatatt tgagtgtttg cctcaaagga ttgaccgtga 240
 gagcttcctc cttgcacttc agatggcagt ggaagccgat aatccttatt ttcgattggg 300
 ttacaacagc ttgggtgctt ttgcaactat caaccatctt cacttccagg cttattattt 360
 ggctctgccc ttcccaattg agaaggcccc cactaagaga attgcaagtg taaatggtgg 420
 ggtgaagata tctgaactgt tgaagtatcc ggtagagggc tttgtctttg agggcggcga 480
 aaatgctgga agatctatca aacgttgttt cagatgcatg 520

<210> 12757
 <211> 143
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142c09d1

<400> 12757
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 gggaagaact tggttatttt cagttatagt aactacaaac ataaaagtgg ccaataaaca 120
 attaacaaaa acatgatatg acc 143

<210> 12758
 <211> 408
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142c10a1

 <400> 12758

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 gcttccattt atagtctcag tcttcttctc ttcttctctt cttctcttct tctcttctct 120
 tgtctcacga tctcaacgga gcacctctct tcaggtcgcc atctagactg caatcatggc 180
 tgatggacca cagcatccat cagttgttca gaagctagct ggacagtctt acctggtgtc 240
 ccaggctagc cccaacttta actctgggaa ttattcctcg actggttctt acttcaatgg 300
 aggactgcac tcttctgggt tggctgttgt gtgcctgga tctccagtta ctgtgcatgc 360
 tccagcagaa aaggagttag tggatttcta gtggattttc tgatgggt 408

<210> 12759
 <211> 510
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142c10d1

 <400> 12759

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 taagctgatg gcatgaaatg aaacaaccaa aatgaaaatt cttgtttcca aaactatgat 120
 ttctacgtat caaggtccta aatttgggaa aatatcaata ccaatatttc tcatccaaaa 180
 ttattcaaat gacaaggga toggcatgat tatccagga aattgtcgtc atcatcttag 240
 ccacctccac cagatccgta tttctttccg aacaagacaa gctgcagctt gtcataacca 300
 gcaagcacac cagcacctgc aacagcacgc aatatgtttg caccagcacc tttgaagagt 360
 gacttggcac cctcatttgc gacgattgtt tggaatgcat gcaaagagct cttgtacttc 420
 acagcctctc cagaagtcac catcatcctt ctacgaacag tgtcaatggg gtaagaagcc 480
 aaccagcacc aattgtgatt ccccatccca 510

<210> 12760

002220 "EFFE550

<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142c11a1

<400> 12760

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attaatttta attcaataat tgaattctca tatttttcat atatacatat acctctttat 120
taactgacaa gctaaattct tcttctaaat tcttgtagga tggaactagt cttcgggtca 180
cgtctgtgtc aacagggaaa tatctatgtg ccaagcctgg aggggggaaat gtcctacttg 240
cgaacggcac aagcgcttca acggcttggg aaacaattac attgtggagg ataaacgaag 300
atactttcag actaag 316

<210> 12761
<211> 481
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142c11d1

<400> 12761

tccttttttt tttttttttt ttttttttat atttttttta gaagtgaac aaggctcatt 60
gatacagggtg aagaagtttc gtcgtaaaac taagcaaaaa agtaaaggac aagttatttc 120
acaaagtatc ttatcatcgg caccaaaaaa gcaagcgcag gggacttctt aattcccagg 180
tatcataaaa atttaacaga ctccgactaa tctagagctc atcgggagaa tcgtcctcgt 240
cttcttcgcc tgatgcacca ccaccgcctg gggctcctcc agatctctga ttcacagcac 300
taatgattgg gttgcaaacg gtttcaacct ccttcagctt ctcttcataa tcttctttct 360
ccatactctg ggtgtcattc agccattcca gtgcttcttt cacagcagtc tcaattttct 420
ccttttcatt agactccaac ttgtcagcga gcttgtcctt gtcactgac tggggtcttca 480
t 481

<210> 12762
<211> 455
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142c12a1

<400> 12762

caactgtact ccatatcata tcaactggag ctggggaacc tegtctctac tcgcgctcgt 60
ccccgccgga gatccaccat ggccggcaac tccgccaccg ccaccgccac ctctctccga 120
ttgtctcccc agaatttgaa attcaatttc tccccgata accctctccg aatcatcttc 180
acttcggatc aggtcaacca ctgtacccaa gccctcaacc ttctgaagga gaagctccac 240
gatectcacg tgatcactca ggagttcgca cacttgccagg cgaacaggat aactccgagt 300
gagatgagaa gaagatgcac cgtcgcgtat gacgccgtca atttgagcaa aaaccgatac 360
acggacgttt tgccatttaa caagacaggg ttgttctcaa atcaagtact gattataggc 420
ctgaagcaca ggggtatatc aatgcaagcc ttatc 455

<210> 12763

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220142c12d1

<400> 12763

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atactcgtcg gcggccgtcc tttttttgac ttttcaaaat gaaattttac catttctaac 120
cccaacccta cattaagggg gtaggtgaaa ttgatgtgtt ctctgtgtct caccgtacac 180
gcttatgatt cttgttgatg atgctggcgg actcattcct gcactcaatc attcaccatg 240
gaatggctta acgctagctg attatgtcat gccatatagc ctatctattg tgggtgcttc 300
gcttgactc acatacaaga aactgcatcg cggagactat gcatctacga aagcaagtca 360
actgactcta caacttccag agtcaggcct tttcattcgc gaggttaacta ccatgccctg 420
aacgatcgga cctatagcat ggactcgaaa cagatgagat ggatggcact acctgacaca 480
attcatgtag cgcactctggt ttcctcactg cgcgcaattt g 521

<210> 12764

<211> 608

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142d01a1

<400> 12764

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gccggctcag ctccctagca agcctcttcc tccggctcag gctgtgaggg atgccagaaa 120
tgagtctgtt cgtggaggcc gtggaggtgg acgaagtggg ggacgtggat ttggacgtgg 180
tcgtgggttt agtcgtgact cttccaatga cgagaactca ttccctacca gcggagctcc 240
ttataatcag gtttcttttg aaggagatgc tgggaagtct tctgaaagac gcggttatgg 300
tggaaccaga ggtccttacc gtgggtgggtg tggtcgtcgt ggaggtttca gcaatgggtga 360
aactgggtgaa gctgaagaag gacgacctcg aagagcattt gatcgctcgca gtgggactgg 420
acgaggaaat gaattcaacg tgaaggctca ggacgtggta actggggagc ccaaactgat 480
gaacttgctc aggttaactga tgaagttgcg aatgaaactg aaaagaatcg ggtgatgaga 540
agcctgcagt tgaaggagat gtaactgatg gtaccaggac agccctacta atgaaactga 600
agaaaaga 608

<210> 12765

<211> 517

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142d01d1

<400> 12765

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cttccgggtga aaaccagttt ccccgccaga agcaagacac acagcctggc aaagagtatc 120
tcatgaatcc accaccccaa tacaacagcc ccgattacaa gccatcaaat aaacttcatg 180
gaaaggtagc tgtagtaact gggggtgact ctggaattgg acgagcagtg tgcaacttgt 240
tttcattaga ggggtgctact gttattttca cctacgttaa ggggcaggag gagatagatg 300
caagggacac gcttgagatt ataagaaagg ctaagactga agatgccaaa gatccaatgg 360
ctgtagcggg tgatcatttg ggttatgaag agaattgcaa gagagtgggtg gaccaggtgg 420
tcaacgctta tggcagcatc cacattctgg tcaacaatgc agccgtgcag tacgagagtg 480
attcacttga agagattgat gataaaagac tcgagat 517

<210> 12766
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142d02a1

<400> 12766

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 gggttggtcca ttctactagt acttcttact ttctgcggta tcctctgttc ccgtcacaa 120
 tgagattaga taaatgttaa ttagtgtctt aacaaagagt tggacgtgga tatggacttg 180
 gacgtggggt tagccgtgac tataacaa 208

<210> 12767
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142d02d1

<400> 12767

tttttttttt tttttttttc atatcttttt tttttttttt tgtactcata tttttttgag 60
 ggcacttttt aacacactcc caccttttta ttgcgagggg aacagcgcgt tcccataaaa 120
 gtaaaaagtc ctactgaatt tgggccacca acaccccccg aataaagaca cataaattca 180
 acttttttgt ggaccattgt aggaccatat tcatgcccaa aaaccatctt ccctacttct 240
 gagtgtgcat aatttaactt attatccggg ggct 275

<210> 12768
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142d03a1

<400> 12768

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 gggccggata tgggtccacgg cggaggattt gggccgtaac agggcccggg tgctgtcgct 120
 gtaccggcaa atactgcggg gcctgaactc gccggagttg cggctgggct tcgcggcgag 180

gctggcggaag aaggcggagg cgcgggcaat gttctgggtg ggttctgatg aacgctcggt 240
gcacaacatt gcggatctca ttgatgctgc agagtactct ctctcctttc tcagaaaagg 300
acaactccct cctcgttaca tcaactgata aacgttggtt tccatcaacg acccttctca 360
gaaaattaac aaaccttatt accttaagga ttttgtttagc aagtagtgga gcaagcaagg 420
gctgtcctgg caggaggtag tgcgccaagg atccctctgt cggctgagca gtacaattcc 480
gttgggattg cttttc 496

<210> 12769
<211> 423
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142d03d1

<400> 12769

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acaagctttt ctgctaacac ttcgctaata gtgctttggc atattgcctt ggaggaaaaa 120
acaaaaagca aaattacaaa aagtgaaaag caatcccaac ggaattgtac tgctcagccg 180
acagagggat ccttggcgca ctacctctg ccaggacagc ccttgcttgc tccactactt 240
gctaacaaaa tccttaaggg aataagggtt gttaattttc tgagaagggc cgttgatgga 300
aaacaacgtt gatcatttga tgtaacgagg agggagttgt ccttttctga gaaaggagag 360
agagttctct gcaggatcaa tgagatccgc aatgttgtgc aacgagcgtt tattagaacc 420
cac 423

<210> 12770
<211> 566
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142d04a1

<400> 12770

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gggccggata tgggtccacgg cggaggattt gggccgtaac agggcccggg tgctgtcgct 120
gtaccggcaa atactgcggg gcttgaactc gccggagttg cggctgggct tcgcggcgag 180

gctggcgaag aaggcggagg cgcgggcaat gttctgggtg ggttctgatg aacgctcgtt 240
gcacaacatt goggatctca ttgatgctgc agagtactct ctctcctttc tcagaaaagg 300
acaactccct cctcgttaca tcaactgata aacgttggtt tccatcaacg acccttctca 360
gaaaattaac aaaccttatt accttaagga ttttgtagc aagtagtgga gcaagcaagg 420
gctgtcctgg caggaggtag tgcgccaagg atccctctgt cggctgagca gtacaattcc 480
gttgggattg cttttcactt tttgtaattt tgctttttgc tttttccctc caggcaatat 540
gccaaagcac cattagcgaa gtgtag 566

<210> 12771
<211> 495
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220142d04d1
<400> 12771

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acaagctttt ctgctaacac ttcgctaatt gtgctttggc atattgcctt ggaggaaaaa 120
acaaaaagca aaattacaaa aagtgaaaag caatcccaac ggaattgtac tgctcagccg 180
acagagggat ccttggcgca ctacctctg ccaggacagc ccttgcttgc tccactactt 240
gctaacaaaa tccttaaggt aataagggtt gttaattttc tgagaagggt cgttgatgga 300
aaacaacgtt gatcagttga tgtaacgagg agggagttgt ccttttctga gaaaggagag 360
agagtactct gcagcatcaa tgagatccgc aatgttggtc aacgagcgtt catcagaacc 420
caccagaac attgcccgcg cctccgtctt attcgccagc cttgccgtga agcccagccg 480
caactccggc gagtt 495

<210> 12772
<211> 429
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220142d05a1
<400> 12772

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 gcgctgcctg caccggatgc gcggtgaagg ccgtcacacg cctccccggc atccgtgtag 180
 ccatcgactg cgtcctgaac atcctagctc acgtcctgtt cgacccttcc ttcgttgacg 240
 tggggactat tcgcgaggca gttgaggact ctaggttcga tgccgagtga ctcacagacg 300
 acgtcgaata cgatcaagta tgccctgatcc agatcatagg aatgagctgc agatcctgct 360
 cctacagtct ggaatccgta gtgcaagccc ttgacggagt acttgaaacc cgcgtggggc 420
 ttgccaccg 429

<210> 12773
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142d05d1
 <400> 12773

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 gctgggaaat ttcaacaacg gagaacagta gacaacgctg acagaggagg cagccatagc 360
 acaccagca gttcaggggt gcagtcagaa ccttgcatag ggggaaagag ctccatccgc 420
 aattgggatg ccaagctggt tattacccaa agccggaaag 460

<210> 12774
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142d06a1
 <400> 12774

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cgatggtggt tttggccggg tctttcatag atctggtgcg tagaggctca gatctacggt 180
 accgaggtac aacagagaat cgatgacaag aacgcagatc cgacggtaga tccagccgat 240
 tccgcttggt cgatcgctac agaccctgt atcggatcat ntaagcagcg tgtctggcgc 300
 gttctacacg tgttgccgat ctccgatggt tgtaaattag tttatgatgt gaagcttgga 360
 gtgaaaatat gtggatgtgg aagatttcgg atgaatggcc tcaaacg 407

<210> 12775
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142d06d1

<400> 12775
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 ctgaaactcg ctgcgcttaa caaaaatgta atcaggggtt cgcacaaaca caacacatta 120
 aaacacagat aaataaaagc aattttgcc aagtcgatca agaaccagtc tctgggaaca 180
 acagttgcga gatgatggtg gagacttcaa actttgtccg aaaaacaagc tacctagaaa 240
 agaagacaca agagtacaga aaagaaacca acatttattg taaqcaacat cccctgatga 300
 accagcccg cagattcact tcttcttctg ggcagccttg gtgaccttg ctccggtagg 360
 aaccttcttc tcaacgttct tgatgactcc cacagcaaca gtttgacgca tgtccctaac 420
 agcaaaccta ccaagtggag gatactcggg gaaagtttca acaccatggg tttggttg 478

<210> 12776
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142d07a1

<400> 12776
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 gttctaagca ctcacctctt tcatacacgt ttgttcgctt gttgagaagc catgggagag 120
 gatttcgagt tcccaagtgc tggcaacatg gaaatgcctg aggaggaaga gtttgagagt 180
 ccgatcctga aggttgggga ggagaaggag attgggaaaa tggggctgaa gaagaaattg 240

ctcaaggaag gtgaaggttg ggacaccct gacagtggag accaagttga agtgcattat 300
 actggaacct tgcttgatgg aaccaaattt gattctagcc gcgatagggg caccctcttc 360
 aagttcaagc taggccaaag gcaagtgata aagggatg 398

<210> 12777
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142d07d1

<400> 12777

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 atcaaataaa tttaaaaatt taaattctgt ttgcaaatg gggtgaaagg cccctgggta 180
 ctaagttgat gatccaaagg ggcccatctt gttttatgcc aaaaccaaca aggttaagat 240
 aaaacatgtt atgggaaacc attttgtgaa tttactccac atcaccttgc ccacaaacac 300
 cgtgcccata tagaatgtgt ctttgcgga caaatacggg gacccgcctg tacgaagtgg 360
 catttttgggt ggggttccaa ctaacaaaaa atgcttggtta agaacagg 408

<210> 12778
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142d08a1

<400> 12778

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 aggtgttacc tagctataac ggcacttaca gagacattca tgacgtaggt cacacactgc 180
 tcgtggcaag atcaaacata aatcggtgaa gacctgctgc tataacaaaa gacaggctgc 240
 atgcatatat gaatttacag tgaaacaagc taccttatcg ccagtcgtta tatatatata 300
 tatatagata tagatatata tattcacgat ccttagctct taaaagagaa caaacgcga 360

tctacgccta cgtgcatggg gacacaccgc cacgaattca tgggtgggga tccctctgtg 420
aactaatgac c 431

<210> 12779
<211> 319
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142d08d1

<400> 12779

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catataagaa aattaaatc cagttaatta agcgcgagca ttctaatact tctcttttaa 180
tctgtgaata tacatagaga aattaagtat atagtttctc aaaattcatc ttgttggtgg 240
agaaagttgt gcctgaatga ggaagcttcg gcttacctgt aatagcacca catccactga 300
cgatgttggt accgtcctt 319

<210> 12780
<211> 345
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142d09a1

<400> 12780

gataattctg cagccgtatg tgaatacgtg ggtgagggtta agtgtggcat tgctgacata 60
gaagtgacca tgggtgaaag ccatgcaa atctaaaataa gatccaagaa gcgccccaaag 120
cagctcttga agttggtttc tggtttgc ataccatgcgc tcacaatctt gcacctaaat 180
gttactacca ccggtgaagt tggtctctac tctcttagtg ttaaggcaga agatgattgc 240
aagctgggat catttgatga tatagctgca gctgtgtacc agatgctaga taaaattcag 300
catgaggcaa tgctgaatca agatcaaacc ttgaccaaac ttgcc 345

<210> 12781
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142d09d1

 <400> 12781

 ttcccctgta tcctantgta atctacccaa aatttaccgg ggacgccccg ctctactaac 60
 tgcggcgccg cttttttttt tttttataat acattatttt tacatgggtg ttatccaact 120
 caggatcggg gggaataaat tgccggctat gcttgtcttc tgctggcca aaggaattcg 180
 ttctacgttt tactttttaca ttactacccc cttttctttg ccccatgttc ctatccttaa 240
 cttatatcgt cataatgggt tgcataaaaa tcctactttt gaaaataacc atcttgcggtg 300
 tatatatgta tcacaaagtt caacaatgga aaatttaatc ctctaaagtt taaatatttg 360
 ctcttttcta aaaatcaaac ctctcaaagc ttttctaaaa tgatacattc ttacacccca 420
 cactgggtcg ccaacaatcc ttcattacta actgtcttat aaagctttta ta 472

<210> 12782
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142d10a1

 <400> 12782

ttgatgaaga tttggctgag gaacttcaga atcagatgga acaagattat gacattgggt 60
 caacaataag agacaaaatt atccctcatg ctgtatcatg gtttactggg gaggctgttg 120
 agggagacga gtttgaagac ctggaagatg atgaggatgg agatgacgat gaggatgatg 180
 aagaggagga tgaggacgaa gatgatgatg acggcgatga agaggaggaa gacagtaaga 240
 ctaaaaagaa gtcatctgct gttaagaaga gtggaagggc acaggctggt gatggtgagc 300
 gacctccaga gtgcaagcag cagtaattgt ttatttcttc ggagtgtcat gtggctgatg 360
 ggtgtttttg aggtcctatg gtgcgcctga tnaaaagtgg gttttcagtt tcatgcaatt 420
 tttcatgg 428

<210> 12783
 <211> 444
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142d11a1

<400> 12783

tgggcataag catgaactta gtgacctact tgggttgaggt tttgaatctc ctttcagctg 60
attctgccac catagttacc aatgtcatgg gaactctcaa cctgcttggc cttcttggtg 120
gcttcatagc tgatgccaaa cttggcagat acgtaactgt tgccatatct gcaatcatag 180
ctgctttggg ggtgtgtttg ttaactgtgg ctacaacat tcctagcatg aggccctctg 240
tgtgcagcag tgtcagaaaa caacaccatg aatgcattca ggccagtggc aaacaattgg 300
ctttgctatt tgcggcactt tacacagtag caggggtggg tggaggaata aaatccaatg 360
tctcaggttt tggatcagat cagtttgata caacagaccc caaggaggaa agaaggattg 420
gtgtttttct taacaggttc tact 444

<210> 12784

<211> 595

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142d11d1

<400> 12784

tccttttttt tttttttttt taacatagtt tctcttttaa ttttattaaa atcatttttg 60
ggcaactgta ttccaaagct gaatacagga ttagcaagta gataaataag ataaatgttg 120
atgtgtatcc tttcagctaa atttctagcg tgacaagaaa cacacaaaga tctagaaaag 180
acagtcgaac atttgagaac tccaccattc acgcaacctg ttttaatgaa aggaatatct 240
gtcatgaaaa atctagatga agagaaaatg atcagatgat gcggcggcac agggtaatcc 300
catcacccac ggggagctgg caaatctcga tctctgaatc ttgagccaga tacttgttga 360
gtccatcac atggccgcga agaggcttaa tgtaatccat caatggtgca tcgggtggtg 420
cagccacaga tccagcccat aggggtgttat cgtatccgat cagtcctcca atcttcacaa 480
gctctagtac cctcttggtg tagttcaagt aattgtcctt atcagcatcc acgaaaacga 540
aatccaacga ccccttttta ttttcatctt tagcattttg tcaagaacgg aagaa 595

<210> 12785

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142d12a1

<400> 12785

tgggcataag catgaactta gtgacctact tgggtggagc tttgaatctc ccttcagctg 60
attctgccac catagttacc aatgtcatgg gaactctcaa cctgcttggc cttcttggtg 120
gcttcatagc tgatgccaaa cttggcagat acgtaactgt tgccatatct gcaatcatag 180
ctgctttggg ggtgtgtatg ttaactgtgg ctacaaccat tcctagcatg aggcctcctg 240
tgtgcagcag tgtcagaaaa caacaccatg catgcattca ggccagtggc aaacaattgg 300
ctttgctatt tgcggcactt tacacagtag cagtgggtgg tggaggaatc aaatccaatg 360
tctcaggttt tggatcagat cagtttgata catcagaccc caaggaggaa agaaagatgg 420
tgtttttctt cacaggttct acttcttcat cagcataagg tc 462

<210> 12786

<211> 613

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220142d12d1

<400> 12786

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ccagtcggcg gccgtccttt ttttgtgttt tttatttaaa aatttaactt ttacagcatc 120
ccaaactcct catgggtgct ggtaaaactt gaatttgagc cccagaaaca gctccacagg 180
aatgcttttg tggatcaacc aaaaatgaaa attactacaa tatatttgct atgaagggaa 240
agagaccctg gtagggcggg aaccctatc ggaaattcat tgggcttgga ttttaagactc 300
ccaaggaagc cacatatgga tcctacctcg acaagaagtg ccccttcact ggcaatgttt 360
ccatccgtgg ccgcatcttg gctggaacat gtcacagtgc taagatgaac atgaatagcc 420
ccgtgtagag gaattatcca ccatcattta gccctcttcc ggacgcacac tgacctatct 480
tgcgacattg atgctgatat atgaactgca cctgcaaccc cagctgattc ccatattctt 540
caacaacacc gggacttata ttctgttgat cactggtacc accctgcacc ggagccctg 600
cataaggcac acc 613

<210> 12787
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142e01a1

<400> 12787

caagtccttc tcttcacaca cataaaaaaca aatatcctcc acttcttcta cccccagcag 60
 tagaacaaga ggtgccggag caagtttcgt cagcccgaa cgatgaccgg cggcggatcc 120
 acggggaggt tgccgacgtg gaaggagaga gagaacaaca tgaggagaga gagaagacga 180
 agagcgattg cagctaagat ctacactggc cttcgagccc aggggaacta caagcttcca 240
 aagcactgcg acaacaacga ggtcctgaaa gctctctgcg ccgaagctgg ctggatcgtg 300
 gaagaagatg gcacaactta tcgaaaggga tgtaagagac ccacgagtga gattggagga 360
 acaccactga acttaagcgc gtgttcttcc attcaggcaa gtccacaatc ctcgtcatac 420
 ccgagtcctg taccatccta ccattgctagc ccaacctctt cctcgttccc aagccccacg 480
 cgcattgacg gaaaccaccc ttcttcttct ctcattccat tcattcgcaa cataact 537

<210> 12788
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142e01d1

<400> 12788

aaaaaatcgt agttggaggt tccgttctcc actccactcc aatcaatcag ggactaggga 60
 tggggaggaa gcgaaaggta ccaccgaaat cttctgaatc cgccgagccc ccgctgaagc 120
 aacaccaacc aaaacccgaa aatgccgctc aggaatacga agaagaggtc gaagaggaag 180
 ttgaggaaga agaggtagag gaagaggctc aagaggaaga agaagaagag gaggacgaag 240
 aggacgagga agaagaagaa gaagaccaa aagaccaata ccagcaccaa caacaacagc 300
 aagacgaaga cgacgacccg atctccaagc ttctggaacc gttgagcaag gaccagctac 360
 tcattcttct ttgcgaggcg gcgggcaaac accaacacgt ggctgagagg atccgaaggg 420
 cggtcgccag gatccggggc accgtagaca tttgtcacgg attggctggg acacaaccgc 480

cgaaccc

487

<210> 12789
<211> 551
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220142e02a1

<400> 12789

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tccaaccttc ttctctctcc cttcgtcccc tccaattgga atgtgattgt gacttcacat 120
gctggtagct gacatthttga aattgtaact gtgggtgggag caatattata tattttgcga 180
catcatggag atacagactt gtggcaggcc gattgactcc ttgctagaga aagtgccttg 240
tatgaatatt ctctcgtctg attacttcaa ggagctctat cgattgaaaa cgtatcacga 300
agttattgat gagatctaca atcaagttga tcacgtggag ccatggatga cggggaattg 360
tcgtggtcct tcaactgcat tctgtcttct gtacaagttt tttactatga agctcacctg 420
caagcaaattg catgggctgt taaaacacct cgattctcct tacataagag cggttggatt 480
tctctatctg agatattgtg ctgatccaaa gacactatgg aatnggthttg agccatatgt 540
aaaagatgat g 551

<210> 12790
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142e02d1

<400> 12790

gtaaaacatg atagttcagg aatgatcttt agtctaaaac ttgcgattac aaagcatgaa 60
attcaatgca ccaggaataa gttttagat acattatcta taaatgttaa tgatagcatt 120
caccaatcta aacatctggc aacaaaaggg ctagtcccaa tatttttctc catgaaatcc 180
atccaacatc tgatacaagc attccatgat aactttcaat acttccaagt agaccgcgca 240
agtctaataa cctcttcacc tccactatcc tttctaggaa ttctttccat gttggcatct 300

cctttattat ccccta

316

<210> 12791
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142e03a1

<400> 12791

agcaaaatga acagggcgag gagtgggaga atcctgtcta ccaaccacgt cttctatcca 60
ggggacacac attccatgag ctaaggacca tacttcaatc tttgtgtacc catgggtgta 120
ttggcaacag ggcctgctat aagaggcggg gtgctggacc agcctgggtat tgaaaatgtc 180
accctgtcc gtgagtgtga atgtgatgta ccgaactcac ggagctctga cccgacctat 240
cgcgtaatat tgcacaacga cagactcaat atacgggact actatgctcc aggtgctgat 300
gaaggtcata cgtggcatga cccttgataa tgccgataat ctcatgcaag aagcacacta 360
cattggatcg tcagtgggtga tcatgagcga ccaatgcctg tgctgaggat cactgcatgc 420
atctaagatg cattggattg ctcatgtcaa ttgaacctgc atatgggggt cgcagctgac 480
aagtctaact tgaaatcaca ctggctctga tgct 514

<210> 12792
<211> 184
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142e03d1

<400> 12792

aataagttgt gcacttcttt tttaaaaatg gcctctctca cacgttctaa agataggatc 60
tttgttcatc ataaacataa ggccgaggtg tacacaaaag gtaacgtttt ttattttctg 120
ggttttataa ggccttcatg aggaggggaac ttatgtacac ctgcaaaaag tttcatctca 180
cctt 184

<210> 12793
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142e04a1

<400> 12793

agcaaaatga acagtgcgat gtgtgggaga atcctgtcta ccaaccacgt cttctatcca 60
ggggacacac attccattag caaagggtcca tacttcaatc tttgtgtacc catgggttga 120
ttggcaacag ggcctgttat aggaggcgag ttgctggaca agccagttat tgaaaatgtc 180
acccttggcc gtgagtctga atttgattta cagaactcac ggatctcggc accgacctat 240
cgcgtaatat tgcacaacga caactacaat aaacgggaat actatgctcc aagtgtgat 300
gaaggtcata cctggcatga cccttgataa tgcagttaat ctcatgcaag aagcacacta 360
cattggatcg tcagtgatga tcatgtgcga ccaagcctat gctgaagatc actgcatgca 420
tctaagatgc attggatagc tc 442

<210> 12794

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142e04d1

<400> 12794

aatatgttgt gcacttcttt attcaaaggg acaactatta catgttttaa ttataggttt 60
tttgttcatt taaaacataa ggccaagttt tacacaagat atatcttttt ttttttactg 120
gtttctctaa ggcctttatg aggagggaac ttatgtacac ctgcaaatag tttcatttca 180
cctttcaata gcataaaagc ccgtgagatt tgaagttaaa cttgtcatca gcaaccacca 240
tttgtagggt caattgaact gagcaatcca ttgcctttta actgtattca gtgatcttta 300
acatagggtt gggcacagtt tatcaccact gacaatccat tgtagtgtgc tttttgcatg 360
aaatttactg tatatatcaa gggtcatttc cgggattacc ttttttagaa cttgtaccac 420
gtttttccgt atattaaaat tgtactctcg caatttttca ccataaggcg gtgccgaatt 480
tcgggatttt tta 493

<210> 12795

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220142e05a1

<400> 12795

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ccataactcg aagatcttgg tgaggaagcc catggcaaat catcagaaca tagtggtggc 120
agatggctca tggcagtaga acatgcccac aggaatagtc ctccataact gcgagatcat 180
gccggaccct accctcttgg cagaccgctt gagcgtgaag acttacttgt ccaggccatg 240
gaaggcattc ttaagggcag tgttcatcga gaatgttatc ggtgacttga ttcagtcaga 300
tggttatatt ccatggaacc caattgaacc aaacacacag gattgctact tagctgagtt 360
tggcaacact ggaccagggtt tcgttgctc 389

<210> 12796

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220142e05d1

<400> 12796

tgacctgtat ctgtttgtga ctcaccgaaa tattggggga cgagcgcgga gtcggcggcc 60
gccctttttt tttttttttt atttttttta tttggcaaaa aaagaagttt ccattaaata 120
gcggggggcaa aattcccatt ggttttccca tcatcagtgt atgttatatg ctttctgagg 180
acaaaaatga attggttgaa gcaaaaaggc ttaaagtata aatatgaaac gcttcttggt 240
tgattacaaa atagcttcat tagacaaggg ggtggatatg cgtgactgca ttgaaattag 300
gtaatacggg tcttgcttat agttttattc agttaggag gctaaaaaag agagtttaac 360
gctcttgatg ctggtttgta gcggattct 389

<210> 12797

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220142e06a1

<400> 12797

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 atgtgagaca cgacccaaat aacacacaaa gcaaagtaag gttgctttgc attgtgttaa 180
 caaacaaggc aacctcatta tttgttgcca ctttggttct gaaaaagttt cttacttttag 240
 ttgtgggttt gctccgttct ctctgttctg gaaaacagaa aaacaaaaaa atatgagagc 300
 gacacagatt gtgttggttc tgttttggtt gctctgcatt cacagtccca cgttgttctg 360
 cgccaatgtg gagtatgatc atcgagcatt agtcacgac ggcaagcgca gggctctgat 420
 ctctggttcc atccattacc ctctgtagtag tccagagatg tggccagacc ttattcagaa 480
 atccaaagat gga 493

<210> 12798
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142e06d1
 <400> 12798

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 ggggttaaaaa cagctttttt ttcgggatca ataatacaac attccttggg atacatagga 120
 acccaacccc ttttttttct ccttcttcca ttttcacccc ttataaaaaa agggcgtttt 180
 ttattctttt ttgggcaccc tcaggcttgc gatcatcata aacatgtgga acaatttttg 240
 gcctaaacca atgtgctctc caaaatgtac gcattactta aatgggggatg ttctttggct 300
 cagcccacaa cctggtaatt aaaaggggta ttcatt 335

<210> 12799
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142e07a1
 <400> 12799

cagagacaga gagtgcttac gcagttttca ctactgttt cagtagtagg gtttttcttt 60
 atcccccttt ttctctctct ttctctcttt cgttcaccac ttcgacgcta agctaattatt 120

tcattcgttt tcgtgaacgc gctaacggag aacgatttcg gttatagaga gagaaactag 180
gagagataga gagcgattga tcatatatgg atacgcacgc ggtgcatttg gccttggcgg 240
cgatcgccga gcctccgtcg tggccgtgtc ggcgtattac atgcaccgca agacgctcgc 300
gcagctgctg gagttcgcgc gcacggtcga gaggggaagct gacggcggcg gcagttccga 360
caccgaaccg cctacggngc atttgaagaa gcgcctgggc agctccagaa ggcgtggc 418

<210> 12800
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142e07d1

<400> 12800

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acaaaacctg gtggcacatt gaattagtat ctccattaca gttatggcg ttgcatccaa 120
acccaataga aagctcagag tattacacat cccaaaaagt aaaatcctac tacagtttag 180
caccgagatg tcctaaacca cattacatga acacaaattc gagttgtctt ggaagaggac 240
caagaaataa aagctagata atgttcaacc ctgcatccag aaataccaat ccgcaagact 300
cccgtctccc aaaggcatta agccttattg gcaatgttgt tggaaagcca gtccagacct 360
tcgtaaaggc cctccccaga gggtgcacag gtgctctgaa tgtaccagtg acgctgtctc 420
agagagtgga gacccaactt gttagtaatt tagcagaatc attgcattag gaagatcttg 480
tttgtttgaa aacacagcaa tacggcattt cttagtcat cctcattcac attctatgta 540
acta 544

<210> 12801
<211> 588
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220142e08a1

<400> 12801

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acggcctcgc cttcgcgcgc aacgagctcc agctggagga tgccatctac ttcaaccacg 120

agttttctcca gagcatggga gtttccatag caaaacacag gctggaaatc atcaagctcg 180
 caaagaacga agttggtggc ggtggggcgg tgatgatgat gaggagcagc agcagcatca 240
 agttttctat caagaagtgc ctgaggaagt gctatagcaa gctcgtttcg cgtgaagatc 300
 accacgaagc gatgatggcg acaacagcga tgatggcgac cgagccgaat tggtaccaa 360
 ggaagtggct gagggcaagg cacaatggga acaatgagga tctcaaggga gataataatt 420
 agaatgatcc taataacaat aagggagttc aaagaagtag aactattgca atatcagggc 480
 ctttgatgg ggatggcaga ataattcacg agaagatgat gaacaacacg gggngatgaa 540
 actatttggc cctcttgatg ggaaaatgaa tgggtggaaca atgagaga 588

<210> 12802
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220142e08d1
 <400> 12802

gcgaaagggc gttgaaactt caaacacaga aactcaagt ggacaagggt ataaaagaaa 60
 caaacaacaa gttgcagtaa acatcacatt tcaattttcac aagctactaa tcattattgt 120
 accaaaaaac gttgctgtca ctgccatca aggtgtaata atataataat aagccatgag 180
 aaaacaaata caaaataata ataataatct aagttggttt aagatcctca aacaatgtag 240
 gccacattgc ataatcatca tcataatcag cagcatcagc tctgacctta ttgtagggac 300
 tataacccat tgggctctca gtcctatcat ctaaaggcct agttaacctt gggcttctac 360
 tattaacccat ggggtgtctt gcatcaagtg gccagaaag cctagggctt ttactgagc 420
 ccatgaacct accatcaaga ggcctagtag gggattagc actcatcaat ggacttctat 480
 ttgcacttgc atacatattc ac 502

<210> 12803
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142e09a1

<400> 12803

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atgtgagaca cgacccaaat aacacacaaa gcaaagtaag gttgctttgc attgtgttaa   180
caaacaaggc aacctcatta tttgttgcca ctttggttct gaaaaagttt cttactttag   240
ttgtgggttt gtcctgttct ctctgttctg gaaaacagaa aaacaaaaaa atatgagagc   300
gacacagatt gtgttggttc tgttttggtt gctctgcatt cacagtccca cgttgctctg   360
cgccaatgtg gagtattgat catcgagcat tagccatcga cggcaagcca gggctctngat   420
ctctgggttc atcattaccc tcgtagtact ccagagatgt ggccagacct tagtcagaaa   480
tccaaagatg gaggattgga tgcgattgag acttatgttt tctgga                   526

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<210> 12804

<211> 362

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142e09d1

<400> 12804

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aaaaaataaa aaatgggttt ttaacggata aaaacgggtt ttattattgt ctacacccaa   60
atatggtaag gtgacctac ccagaccga aatgttatat aaatggccaa ggggttttga   120
ttcttaaaaa aaatattcaa cccgtcttgg aattggctctg taaaaggtta cattacaagg   180
ggaaagccaa ggtcctactt gagaaaatta cactaggcac tgatcttact tttctttttc   240
tcatttcaca agaaggccaa cctgtttaac aaaacccaag ccaggtgatt acatagggta   300
acctctccct tctttatata tctctcccc tccactatt taaaaacagg tctttctttt   360
tt                                                                    362

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<210> 12805

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142e10a1

<400> 12805

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 ggtagacctt taagggtttg ttttggaacc actaaatatt gtcattgcatg gctcagaaac 180
 atgccttgca gcaatccaga ttgtctatat cttcatgaga ttggctctca agaggatagt 240
 ttcacaaaag atgaaataat ttcagcatac actagaagtc atgttcaaca aattactggt 300
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<210> 12806
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142e11a1
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 tcaactccaa gttctgccat cctattctca ttggtttggg atggcatgat gctggtactt 360
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 gaaattgagc tgaaacatgg agccaatgct ggaccngtaa atgcanntga actcttcagc 480
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<210> 12807
 <211> 557
 <212> DNA
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gaaatgagat	cagaacaaaa	cttaaataata	tctatcaact	gccttgattt	gccccaaaaa	180
gaacgagatg	ggctgagacc	tgtgatggtg	atagccgtca	aaaaaattgc	tttaacacag	240
aagggcctga	gggcctagat	ggagatggaa	aattatttgg	aacaccttct	tgatgcccc	300
acaagataaa	catgccagt	ctttcacacg	aaaatgcac	atggagctgc	aatgcatctt	360
cctcgagtgc	cattggaatt	caagtctcag	gtgcactact	ttaagctgg	gaacatttga	420
acattaatat	gcaatccttt	caagattttc	ggagacagtt	atcattctag	gcctgacttc	480
agggtctacc	tcagtgcatt	gtaatgctac	atgaaacaca	gccagtacct	ctttcttggc	540
atgcacttca	tgagaca					557

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<210>      12808
<211>      534
<212>      DNA
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<223>      Clone ID: jC-gmfl02220142e12a1

<400>      12808
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cctcttcttc	caaactccaa	tgcttgcgct	cctctcctcg	tatttcgcac	ctctttctca	180
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ataataagaa	tattgaggag	tggccacaga	gaggcggagc	taatggtagc	ttaagatttg	420
aaattgagct	gaaacatgga	gccaatgctg	gacttgtaaa	tgcattgaaa	cttcttcagc	480
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<210>	12809
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<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142e12d1

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 ttttttttggc ctgggggcaaa ttgcccgccg tttatggagc ttgcttgacc accttcgaag 180
 actccgagaa tgagagtga taccgggtacg ttcgcaaggc atcaggacca gtcgtcgttg 240
 cagatggcat ggctggggct gctatgtatg aactcgcgcg tgcgggtcat gataatcaca 300
 ttggcgaaac tattcgtctc gaagggaatt ctgcttccat ccaagtttat gaggaaactg 360
 ccggcttgaa ggctaatac cccgggggttac cgactcacca gcctataacc cccgcagtcg 420
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<210> 12810
 <211> 601
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142f01a1

<400> 12810

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 caagatcgag gcgactcagg ctacatagag aaactggtac atagtccgca tagcttggtg 180
 tataagaaca ctgctggaca ttgacataaa ccagctgacc atgagaggct gcatgagaca 240
 gattgacacc aagaatgacg gaaacaccga gtgcgacggc gttggcattt tgggcatcgc 300
 ttgggccttc ggtggcatga tcttcatect tgtttactgc accgacggca tctctggggg 360
 acacatcaac cctgcggtga cattcggggt gttcctggga cgcaagggtg ctttggtgag 420
 ggcgttgccg tacatgatag cacagtgcgc cgggtgcaatc tgcggtgctg ggttgggcaa 480
 aggggtccag agatcgtact acaacaggta cggaagtgga gtttaactg ttagcgatgg 540
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[illegible]

<400> 12811

<210>	12812
<211>	304
<212>	DNA
<213>	Glycine max

<400> 12812

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tgaacagAAC tatggccctc tttatgtggt aaattgactt gtgtatcact agcatagtTg	120
caaattgtgg tgacacaagc ttcatTgaga aaaggctntc taattcgcat tggTtgTtat	180
gggagaattt tgctggacaa tgtaatagaa caactctttg tgagaaaaag aatattattg	240
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aaga	304

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220142f02d1

<400> 12813

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 ggtaacacna cnaanaatat cggggagacc agcagaggga gaaggaaaaa aaaaaaaaaa 180
 aacaaaagaa aaaaggaaaa aatataggaa aagaagaagg aggaaaaaga gagaaagggg 240
 gggggaaaga 250

<210> 12814

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142f03a1

<400> 12814

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 aattggaatt atttgttttc ttattaggcc tatectgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
 atgaattgga attatttgtt ttcttattag gcctatcctg aagccaaagg aaatgagatc 240
 ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300
 tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
 atcggaattc ctcgggggta ccgagctcga att 393

<210> 12815

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220142f03d1

<400> 12815

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 tggaattggg attccccgag gaattccgat ctcatttcct ttggcttcag gataggccta 180

ataagaaaac aaataattcc aattcatata tgaacatttt tgcctcctta tttcttgaaa 240
atgtggaatt ggaattcccc gaggaattcc gatctcattt cctttggctt caggataggg 300
ctaataagaa aacaaataat tccaattcat atatgaacat ttttgctcc ttatttcttg 360
aaaatgtgga attggaattt cccgagg 387

<210> 12816
<211> 393
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220142f04a1
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attcctcggy gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg aaatgagatc 240
ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300
tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
atcggaattc ctcgggggta ccgagctcga att 393

<210> 12817
<211> 231
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220142f05a1
<400> 12817

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accataaaga atgcggttgt cactgtgcct gcttacttca acgactcaca acgtcaagcc 120
accaaggacg ctggtgtcat ttctgggctc aacgtgatgc gaattatcaa cgagcctacc 180
gcggctgcca ttgcttatgg gctcgacaaa aaggccacta gctctgggga g 231

<210> 12818
<211> 438

<212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220142f05d1

 <400> 12818

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 cccaatcacc ctctaccacc cccccccaca aacacaccgc cactaaaaca gccccacac 180
 acccaacccc cacaaaacat acccaccaa caaagaacat ttaaaaaacc cccccacccg 240
 ccccccccc ccaccacaaa aaccataggg aaccaacccc gctccctga ttaaaacccc 300
 cccaaaatcc tataaatcac accacgacca aaagccaccc acccccccaa aaagtgtagg 360
 cgacaaaaac acaaaccccc cccccgatga aaacaccaa ttcctttata acgaaaaaca 420
 tcccccccc cccccccc 438

<210> 12819
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142f06a1

 <400> 12819

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 tcattcgttt tcgtgaacgc gctaacggag aacgatttcg gttatagaga gagaaactag 180
 gagagataga gagcgattga tcatatatgg atcgcacgc ggtgcatttg gccttggcgg 240
 cgatcgtcgg agcctccgtc gtggccgtgt cggcgatta catgcaccgc aagacgctcg 300
 cgcagctgct ggagttcgcg cgcacggacg agagggaggg tgacggcggc ggtggttccg 360
 acaccgaacc gcctacggng catttgaaga agcgccttgg cagctccagg aggcgt 416

<210> 12820
 <211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142f06d1

<400> 12820

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aaatcataaa tatgaaaagc ttattgaatg attacaaatc agctcctcag acaatggagt 180
ggctatgtgt gactgcattg aaattaggta atcgatttcc tgtttatagt tttattaatt 240
taggtaggct aaaaaagaga ttataacact caagatgctg gtttgtctcg gacctaag 300
ctttggtgaa gctagcattg aaaggaacgc cag 333

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<210> 12821

<211> 436

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220142f07a1

<400> 12821

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tcattcgttt tcgtgaacgc gctaacggag aacgatttcg gttatagaga gagaaactag 180
gagagataga gagcgattga tcatatatgg atacgcacgc ggtgcatttg gccttggcgg 240
cgatcgctgg agcctccgtc gtggccgtgt cggcgatta catgcaccgc aagacgctcg 300
cgcagctgct ggagttcgcg cgcacggtcg agagggaggg tgacggcggc ggcggttccg 360
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<210> 12822

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220142f07d1

<400> 12822

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 caaaaaacgt tgttgtcact ctccatccag gtggaataat ataataataa gccatgagaa 180
 aacaaatacc acatcataat agtaccctga gttggactaa gatcctcaaa caatggaggg 240
 cacattgcat aatcctcttg ataatcagca gcatcagctc tgaccttatt gtagggacta 300
 ttaccatttg ggctttcaag cctatcatct aaaggcctag ttaaccgtgg gcttctacta 360
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<210> 12823
 <211> 370
 <212> DNA
 <213> Glycine max
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 cgttgatacg accgacatag gtgggttacac acgtctgccc agaaacgctg ccaaattatg 300
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<210> 12824
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142f08d1
 <400> 12824

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 taccgaattc taataataat acaatgcaat ctttatacag ggacaggcaa caaaaacact 180
 ggcgagggta catcaaggca taacaagcca ggacccttta tttaaagaca ccattatttt 240

ctttttttca aaccttactt tagcaacaaa gtcttggtcc ttttcatgtg gtactatgat 300
taggcagaac cagatcttac gcggcgcat caacagcatg gttgctaaca tccttttcca 360
caaaatcctt gacatattgt tgtcttgag ggagatggc atttgacga ttgtatggag 420
tccaaactgg ctaccaaca aaaaaacgca aagccttaat gtagttgctc tcactagcc 480
gaaagcgatg ataaattccg gcaggtaaga tga 513

<210> 12825
<211> 421
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142f09a1

<400> 12825

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tgtagtaata attactacaa caacttaaaa caatggcagg aggaggttat gtagattcgg 180
gaaatgcaaa gcaatttgaa gggaagggtca ctgcattcgt attgggttaca tgctttgtgg 240
cagccatggg aggccttactc ttcgggttatg atcttggaaat aaccggagga gtgacttcca 300
tggaaccatt tctcatcaaa ttctgtcccg gtgtctataa acaaatgcaa gatgatgtcg 360
gccatagaag ccaatattgc aaatctgaca acgagctcct tacactatctt acctcttctc 420
t 421

<210> 12826
<211> 462
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142f09d1

<400> 12826

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agaggacca tgatggacca aaagcatatt caggctgtat gatcagcaat gcaatttccc 180
ctttcttcat gttcttcaca ggttggtcaa gtccatcaat tacttgctct tcataattt 240

tgaactcaaa tggctgttca tcaacgtagc cctttttaac gaaaacagtt tcatcttgcg 300
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 gttccttcaa agtcttcttg agaaccattc tatccttggt aatgtcagac acggtcttcc 420
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<210> 12827
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142f10a1

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 gcgtcggcga cgtccttgac agccgagcgc acgtaatctt ctaccctgc ttcgttaacg 240
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 ctgcactctg 370

<210> 12828
 <211> 395
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142f10d1

<400> 12828

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 agaggacca aatggaccaa atgcttattc aggctgtttg atcagcaatg caatctcccc 180
 tttttcatg ttcttcacag tttggtaag tccatcaatt acttgctctt tattaatttt 240
 gaacttaaat ggctgttcat caacgtagcc cttcttaacg aaaacagttc ctttttgcaa 300
 cttgccaatc aggttcactt gaactacagc tccatcattt ggctgttcat atccctcccc 360

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395

<210> 12829
<211> 385
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142f11a1

<400> 12829

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caacggcatc cacagcatgt tctggcgctt ctctccgag ataaccctgg tcatcgacga 180
gttcgacggc ctctcaaca accaaatcta cgaggccgcc gaaacctacc tcggcgccaa 240
aatctctccc aacacacgca gacttaaagt cagcaagccc gagacagaca caaccttcgc 300
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<210> 12830
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142f11d1

<400> 12830

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gggacttggt ataatttaat ttttaattcac cacaacaaca acaaaaacca tataaccaac 120
ccaaacactc ataaaacaaa ggacacttat aaaaatacca aaaaccacac aaacctaacc 180
aaaaaaaaaa caaccaccaa aaaaaaaca aacaccaaac ccagaaccaa accccaagac 240
aaaaa 244

<210> 12831
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220142f12a1

002220" E F F E E E

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caacggcatc cacagcatgt tctggcgctt ctctccgag ataaccctgg tcatcgacga 180
gttcgacggc ctctcaaca accaaatcta cgaggccgcc gaaacctacc tcggcgccaa 240
aatctctccc aacacacgca gacttaaagt cagcaagccc gagacagaca caaccttcgc 300
cctcacaatg gagcgcaacg agtccttaac cgacgttttc agaagcatga aatttacctg 360
ggttctcgtc tgccgtcagg tcgagtcag aggttncac aacctcgcg acctcaacgc 420
caccatgaaa tccgaggttc gtcctctga actcactttt aacaagaagc ataaagacat 480
ggtgctcaa acctatcttn cctatatnct caacgaagcc cag 523

<210> 12832
<211> 649
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142f12d1

<400> 12832
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gctggcattc tgtttagggt aacattacaa tttgaatttc agctaaagca aactgcgaaa 120
cgctgaagat ttgaagcaaa ttaaaaaaaaa taaaagagaa gaaatcatcg ttgttgtgga 180
cattgtgttt gttttctaag aagaatggaa actgtgtggt taaaatctgg gatggttccc 240
acgatctcta ttagtgggtc gctggatgca cgtgccaatc cttctcaggt gagcacggtg 300
gggcgcgcgc cgggggataa accgccgcag aggtcgggtgt tttcgaggtt ttccttttgg 360
tacccttttg aatctctctg gcctcggggg aacaacagca ggtacaaagg gctggccctc 420
gacgacgcgc ttttggcgga caacaacgcc gaagcgaagg ccgttagaga tgacggccag 480
ggtgacggaa cggaaaggca gaccgaaac tgggttttga agattctgca tgtgaagtgc 540
gcgtgggaag ggaaacagcg caatgaagag gatgggtacg ttcattgatca aactcaaacc 600
aatttcgacg aggaagaggt gtgtgaatgt gatgcttgcg gtgttgatg 649

<210> 12833
 <211> 523
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142g01a1

 <400> 12833

 caattttact ttgccataac ggtgagttta gagaggggaat aatggatgga agaggaggct 60
 gttgcatcgc caggtatgta cccggtgcat cccacgggtc caccgtcgac aaaataatgc 120
 ttaggtttcg tccaatcgct cccaaacccg ccgtcgcggc caccgcttcc gacggctctt 180
 cgtccgagag cagtgcgct tttctcaaaa acggaaccac taaaagaaag tacgtaagag 240
 ataacaacta caccagcaaa cgaagaatcc gccggagaaa gaacacttcc tcgccggaga 300
 aaaagcagaa gccggtggtg actcttccgt tgcttccgga aactcccgat cggaaggatt 360
 ctccggcaaa ggatctaact ccatcaccag ctaaaccagt acgaaacaac atcaacaaca 420
 acaacatgag caagaacttg aatattatta acaagaacgt gccggtgtgg gtgagttttg 480
 agaatcgaag ccttacgatg atgggagggg ggtgttcgtg tgt 523

<210> 12834
 <211> 421
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142g01d1

 <400> 12834

 tattgatatt ggtatggtct ttctttgaac ccattttgca aaaaggaaga agaagaacat 60
 gaagattcag tgtgatgtgt gtgagaaagc ccctgcaacc gtgatttggt gcgcagatga 120
 ggcagctttg tgtgccaaat gtgacgttga agttcatgct gcaaacaagc ttgcaagcaa 180
 gcaccagagg cttctccttc aatgtctatc aaacaagctt cccagatgtg acatatgcca 240
 agataagcca gctttcatat tttgtgttga ggacagagca ctcttctgta aagactgtga 300
 tgagccaatt catttagcca gtagcctttc tgcaaaccac cagcgcttcc tcgctactgg 360
 tatcaggggtg gctctgggtt ctaattgcac caaaggccat gaaaaaggta acatggaacc 420
 a 421

<210> 12835
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142g02a1

<400> 12835

gaaaaattta gtaactaccg ataccatata ataataagaa tagtattatt aaaagagaaa 60
 gggaagggaa ggtaacacgc tatggcggcg gaatcgggtg gtacgcgcac aaactttgat 120
 cttcccgagg aggtggtgca agtgctaccg tccgatccct tccagcagct cgatgtggct 180
 cgcaagatca cttccattgc tctatcgaca cgtgtcaaca ccctcgaatc agagctgtcc 240
 tcgcttcgcg cccagatcgc cgacaaagac aacctcatcg ccgaccttca atctcagctc 300
 gactccctcg acgcttccct ctcccaaadc gccgacaaac tcttccaaac cgaacaagat 360
 aaggagagct tgctccagga gaatgcttcg ctttccaaca ccgtcaaaaa gctcaatcga 420
 gatgtctcca agttggaagt tttcagaaag acgcttatgc aatcacttca ggaggaggat 480
 gataactctg gagcagcttc agacattggt gctaaaatac agagtcaagc aagtttgact 540
 tccacgtcgc agactggaga taatgatgtt t 571

<210> 12836
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142g02d1

<400> 12836

ggcctgccaa gactgtcatt cggttttcat gttcaaaaaa aagtattgta ttatacagag 60
 gggagaaaaa aaagttgcta taaataagga gacatgcacg atagtatccg ttattacaaa 120
 tttggaaaga atcttttaag cacaatgtca atggagattg cgattaatca atccctcaaa 180
 tatagtgtac agatccttgt tttcaggccc aaaaatttta tcagctttcc gtagcgtttc 240
 ctcttttgtt tgtttatggg aattcaattc ttttaacatta gccagaatg caccaaattg 300
 ctcataagac aaacggttcc tgacttggcg aaagaactct ttcccatcca cccgtgttcg 360
 tccagattgt gatcctgttc ctgcatcaga gcttgatatt gaaccatgag ttaaggacat 420
 tgaggaaaac attgaagacc tgtcatcata catgcctttt gtggttgcaa aggaaattg 479

<210> 12837
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220142g03a1

 <400> 12837

gaaaaccggt atttcggtct tgcaggtcca ttcagaggga cagaggttga gccaaagcgg 60
 gtcgggtcgg aatagcgatg ataacgaacc ggggtcgggtt atatgtaggg agagtgttca 120
 cacggtgagg gagttccgga agctgtatgg gcttttgcgt ttgggaagta ggaggaaaga 180
 ggagtcctat tcggggccca tagagaaaga ggctccacgt atctagactc gggtcggata 240
 aaagtaatcg ggttttcttt ccttttttta ttttctacaa aaaaatgtat agttgcttgc 300
 caagttgccc gagttttttt ttttgcagtt agaaattata ttgttgatc tacaaagaaa 360
 aataatggta ggtcggtaag gtcgaagcaa ctacacctca catttttggt tagtccgttg 420
 ataagaacac atatcaaag catcacttat tctttt 455

<210> 12838
 <211> 489
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142g03d1

 <400> 12838

ctaaagtgg cgtaangaan tctacccaaa ttttccgcgg caccaccgca ctactactcg 60
 ggcgcccttc tttttttttt tttttttata aaaattttta tgatgccttt gacatgattt 120
 ctaaaaaacg gactacacaa aaaagctagg tgtcaaggct tgggtgcttac aaagccacca 180
 ctatatttat attgtatgat caacaaaaaa aagtttgact gtagaggata aaatgggctt 240
 tcatcgatcg gcatatattc attccgtagc ttaagataaa aaccggaaga caaatctggt 300
 ttttcttagg cgaacttggc tgatacacac ttagctgctt ctgcattggg ccaataatct 360
 aacacaatgt tctttgtagg atcaaaattg gataccccg tcatatttcg tgactggcct 420
 tccgtgtgaa cactatggat tgctttcatg cgcgtccgga tatttatcat cattattcct 480

<210> 12839
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142g04a1

<400> 12839

aaacaaaatt aatcatctta cttatgtatt ctccgaaaat ggttgattta cattggaaat 60
 caaagatgcc aagttccgac atgccttcca aaactctaaa actctctctc tccgacaaca 120
 agtccttacc ctctttgcaa ctacccttcc gcaccacaga tatctctcac gccgcacctt 180
 ctgtttgcgc cacttacgac tactatctcc gtcttcctca actcagaaag ctttggaaact 240
 cctcagattt tcctaattgg aacaacgaac caatcttaaa acctatcttg caagctctcg 300
 aaatcacctt ccgctttctc tccattgttc tctccgatcc aagaccttac tccaaccaca 360
 gagaatggac tcgcaggata gagtctctta tcacacatca aattgaaatc attgccatac 420
 tatgtgaaga tgaggaacat aattccgaca cacgtggcac tgcaccaacc gctgatctca 480
 gcaggaacaa tagcagcgag agcagaagct acagc 515

<210> 12840
 <211> 107
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142g04d1

<400> 12840

aaacgaaaaa aaatttttaa tttttattaa aaaatttatc cggggacccc caaagataaa 60
 tgccaagaaa aacaaattgg taccggggtt ttgaccctta accttgg 107

<210> 12841
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142g05a1

<400> 12841

agaaggagca aaagcaatgg cgccgaagaa gccgagaacc acgacaagga accctgattt 60
 ggtagggggg attggcaagt attcgaggtc gcagatgtac cacaagaggg gcatctgggc 120
 catcaaggcc aaaaacggtg gcgttttggc ccgccacgat cccaagccca agcccgaggc 180
 cccggcccg aagccgcccc agttctaccc cgcggaacgat gttaagaagc ccctcgtcaa 240
 caagcacaag cccaaacccg cgaaactcag ggctagcatt actccaggga ctgtgttgat 300
 cctgcttgct gggagggtta agggaaagag ggtttgttta cctgaagcag ctcccatctg 360
 gattgcttct tgtaactggt ccctttaaga tcaatggngt tcctctcaga aggggtgaacc 420
 aatcgatatgt cattggtaca tccacaaagg tggacatc 458

<210> 12842
 <211> 850
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142g05d1
 <400> 12842

aaaaaaaaaa aaaaagaaaa aaaaagaaaa tazaaaagat agaaaaacaa aacaaagtta 60
 gagagaagag gtaaaaaaat aagaatatac aaagaaagaa aaaaacaaaa aaaacaaatg 120
 accaagagcg gaantgaaaa ccaacanana attaanngga aaaacaacaa aggaggaaaa 180
 naaaagaaaa aaaaaaanaa gaaaaaaaaa agaaaatttg agaaaaagaa aaaaagaaaa 240
 aaaaaaaagg gggggaaaaa aaaaaaaaaa aaaaagagaa aaaaaaaaga aaaaaaaaaa 300
 agaaaagagg gaaaaaaaaa aaaaaaaaaa aggagaaaaa aaaaaaaaaa aagaaaaata 360
 gaaaaaaaaa gaaaaaaagg aaaaagaaaa aaagacaaaa gaagaggaaa caaaaagaaa 420
 gagaaataga aagaaaaata cacaacaaaa aaaaaaaaaa gggaaaaaaa ataagaaaaa 480
 aaaaaaaaaa aagaaacgaa aaaaaaaata aaaaaatcaa aaaaaaagga ggtaaataaa 540
 aaaaaaaaaa aaaggaataa aacaaaaaag aaagagaaaa aaaaaaggaa aaagaagaaa 600
 aaaaattaaa ggaaagaaaa aaaaagagga aataaaaaaa gaaggagaaa ggagaaaaaa 660
 aataaacaaa tagaaaaaag aaaaaaacac gggggaaaaa aaaccagaag gaaaaaatga 720
 aaagactaac aaacaaaaaa aaaaaaaaaa aaaaaataac gaaaaaaaac acaaagaaga 780

aaggaacaag tgaacaaaag aagaggaaaa caacaataga aaacaaaaaa gaaaaaagaa 840
gaagaagtgg 850

<210> 12843
<211> 365
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142g06a1

<400> 12843

ctctttccct ctttatcttc ctctttcaga ttcaccctcg ttttccctct ttcgcataaa 60
taaataaata aatataaaca ccatgagcgt tcctccgccg tctacggcgg cgatgtggac 120
gccgttcacg gcagcgcagt ggcacgagct ggagcaccag gccctcatct tcaagtacct 180
caaggcgggt ctctcggttc cccctgacct ccttctcccc attcgcaaga gcctccaatt 240
gatatcgtct caccatcga tggggtatta tgggaagaag atagacctg aaccgggtcg 300
gtgcatgaga accgatggga ataagtgaag gtgttcgagg gatgcacacc ctgactccaa 360
gtact 365

<210> 12844
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142g06d1

<400> 12844

acaagaaatt tttaacttta atttaaaagt cctaaacctt gccaatTTta aggggggggaa 60
aaaaaaataa gtctgttga agaaacccaa gttcattcta ttttgccctg aaaactgggt 120
ctttgtcacg gggatgggtg ggcccttc 148

<210> 12845
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220142g07a1

<400> 12845

gccgaggcaa agttgttgca gccaaaagat gagagctggt ctgaatgtgc tcacaaaagga 60
 tatgcagtaa agcctcagaa ggggtgatgcc ttgttgttct tcagtctcca tctggatgca 120
 agtacagata ctaagagctt gcatggaagc tgtccagtca ttgagggcga gaagtgggtct 180
 gcaaccaagt ggattcacgt gagtgacttt gaaaaaccat tcaagcaagt ggataatgga 240
 gagtgtgttg atgagaatga gaattgcctt aggtgggcta aagtaggtga atgtgacaag 300
 aatccactnt atatggttgg tggggaagga gtaaaaanga aagctgtatg aagagttgca 360
 atgtctgcac ttcttaagga gtctattacc ttttgtttgc tctgaaatgc atgtagagcc 420
 atacatacat tgtcaaatat attgtatata aca 453

<210> 12846
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142g07d1
 <400> 12846

actaaatcaa atatctccct ctagcccaca tggtttttaa taaataaaaa ataacataac 60
 cacgtgggaa tcacgttgta caaagtcaaa agaatagcct aggaaaagcc caaacttattc 120
 ttgattcaaa aaccaatttt ttgccatccc aacttctata acaagtggaa taaaacgagc 180
 tactatgatt tacaatttta caaatcatat cgaccctttc aaagttgaca tacttttaact 240
 tagaccccat gggcagaagc aatattaaaa ttataattgt agctgccttg gacctctctt 300
 tgatgatgat cttgaaggag gaacattaac ttaaataaac tgagggtttt 350

<210> 12847
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142g08a1
 <400> 12847

cggttcaaac cttgtagtta ttctctttct tcttttttag ctatccctct cttgaaaaat 60
 ctagatctcg ttcttccttg atctacgtta cgcttttagt gaccggatct gtatggatct 120
 gaaccagatc tacacgccga tgggtggttt ggctgtgtct ttcatagatc tgatgcatgg 180

aggctcagat ctactgtaca gagatactgt agataatcga tgagaagaac gcagatccag 240
 ccgcttccgc ttgttcgata gctacagacg cttgtatcgg attattcatg attgattcat 300
 aagcagcatg tcttcctccg gctatagttg ttgcagatct cggatgttgt aaaattagtg 360
 tatgatgtga agctatgggc tgaaaat 387

<210> 12848
 <211> 413
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142g08d1

<400> 12848
 aaagggatcc ggaaaaaaaa agggttaaccg caaaaaagtc ccatggggaa agactaaaaa 60
 aattgggcaa aaaaaataatt ttggtggtaa aaaaaataat atttttcggg gtaaaggggg 120
 ggaaaacaat attttaatta tttcagggga ttaaatccaa cccatatttt ttttgggtcca 180
 ctaaaatccc cctgggaaaa tttctttttt ttcttgtaaa gggcccgaat tttttcccc 240
 ttaaaaatgg gggaggggga agaaaaata aaattttcct aaatccccgt aattttttta 300
 aaaatgcttt gcccaacaca atggatttgg caccceaaaa gctgtgcggg ggttcccatt 360
 tgatatttca tttatcggct ggaggataaa aaggtaatga cctatttttg tat 413

<210> 12849
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142g09a1

<400> 12849
 tctggcctgc ttcacataat catgcttctg cttacttttg acagactccg tatcgcggga 60
 ggatgctgaa taggccaact attagcatga gattcatgcc tgacaaaggg tctcctgaat 120
 atgatgcgtt agctaagaag tctgggaggg ccaacttgct gaccttgact ggcttaaatg 180
 agacctcat tgacctaac atgataatga tccaaagctg gcaaacattt gttgagagct 240
 accttgcgcc tacagatggc ggtgactact gtacttctga tgccgggcca ttagaggcct 300
 ttaagaggtt tggaaagatt ctagcataga ttgacatgaa gctgatatag aagaacaata 360

atgagacatt gagaaaccgc tatgggcccgc ctaaaatgcc ctacactttg ctctatcctt 420
 ctagtgagga gggattgact ttcagaggaa ttcccaacat tatctctatc taatggctct 480
 a 481

<210> 12850
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142g09d1

<400> 12850

taaacggatg ctattgacat ctcccaaaat attcccggta caccggcgcg tgtcggcgcg 60
 cgcccttttt tttttttttt ttgttaaaaa ttttaaacct gcatgattgc atttattatt 120
 tgggggttcca ttacacaaac atgggtttatt aatgacaaat acaagtacat tcagccactc 180
 caaatacata acttaaacat acacaactga tgaaggaatc agattccttc tatttcacat 240
 ttattttaag ccagggacag tacttcagca accatagagc ccttaaatag agatactgtt 300
 gggaattcct ttgaaagtca atccctcctc acttgaagga tagagcaaag tgtaaggcat 360
 ttttaaccgc ccaatacggc ttctcaaagg ctcaatattg gacttctcta taagcttctt 420
 ttcaatcttt tcaagattct tttcaaacct tttaaaaggc tt 462

<210> 12851
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142g10a1

<400> 12851

cctttgttca ctcttcttct cttgcgggta gggtttttagc gcagcttctt ctagatttaa 60
 ggaagatggg taaggaaaag gttcacatca gtattgtggc cattggccat gtcgactctg 120
 ggaaatccac taccactggc cacctgattt acaagcttgg aggcattgac aagcgtgtta 180
 ttgagaggtt tgagaaggaa gctgctgaga tgaacaagag gtctttcaag tatgcctggg 240
 tgctggacaa acttaaggct gagcgtgaaa gaggaatcac cattgatatt gcttggtggg 300

gtttggaaca acaaagtatt attgcacagt tattgatgcg cctgacatag ggatttcatt 360
aagaatatga ttactgggac atcccaagct gactgtgctg ttcttatcat tgattcgacc 420
actngtgggt ttgaagcttg tatttccagg atggacagac tcgtgaacat gctctgcttt 480
catcaccctt ggtgtgaaca gatgatttgc 510

<210> 12852
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220142g10d1

<400> 12852

ctaaactcat tgttantgaa atctaccag aaatatttcc cgggacgacg cgcgccgtn 60
gtcggcggca cgccctatatt tttttttttt tttctctact ttttttaaatt tttttatttt 120
gcaagtctaa gcgggggttc tctattttaa attttaactc aaaaccatgg gaattaaaat 180
atcgggagat taacattttt tctcttaaag gatccatact ttatattatt cacttcccc 240
ggcctcatat tttcttttaa ccttctacgt tactactatt tctataaaat taccatact 300
ttaaactt 308

<210> 12853
<211> 346
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220142g11a1

<400> 12853

ccttgctttc caggctgcaa ttaggagatg gatgacacca atgaaaaaga cacaggcctc 60
tgctcatgat gcttctgccg gcagctggaa gcctaccaag aatgacacta tggagaatcg 120
ggttcctgga tttggcacta caatgaacat tctctatggg gatggtgttt gaggacaagg 180
cgatgtggac tcaatgaaca atatcgtttc ccattacctg tattatcttg accttctagg 240
agacggccga gaacaggctg ggcccatga catgcttaca tgcgctgagc aggttccttt 300
caacccatct tgcgaacctg cttcatcatc ctaagattat tatatt 346

<210> 12854
 <211> 575
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220142g11d1

<400> 12854

tccttttttt tttttttttt ttaagaactt taactttaca tgcattaatt taatcagtat 60
 gcaaatggca gcaaaataac tgtatagaaa acagaaaaaa ccatttatac tatacagaat 120
 tactatgtaa actacagaat aactatatat atacaaagaa taattatgta tactgaataa 180
 caatgtacta aataactgaa tatacgctga ataacttaat tatactgaat aatcgcgagca 240
 gaaatatcaa aataattgca gcacaaggga attaaaacaa acaaacatac atactgaata 300
 acttgatacc aagaaaaaat agcattgtat gcttgtgtaa agagccgaag ttatcttcac 360
 cttaaagaat tgtagaagcc taaccagatt ctttgtaaatt ccacgatatt tcttcaaaaa 420
 taccttgaca accacaatga tattgtcata gcagaagtca tatagcgtct tcacattgat 480
 attccaatca tcgccagaag atttacaatg ttaatgacct atttctgcat tacaaatgtt 540
 gtcgcccga tctgaacttc ttacaagtng ataatt 575

<210> 12855
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142g12a1

<400> 12855

ctcgagccgc tcgagccgca ggttcaaaga agtgcagatg aaaaaacagt gttgataaca 60
 agctacgaag gcaatcacia ccaccctctg ccgccagccg acaccgccat ggcaaatact 120
 acatcagcag ctgcagccat gctgctatca ggttcagcag caagcaagga atcgctaaca 180
 aactctgcag gatattactc ttctacaatt ccctatgctt caatggcaac cctatcagct 240
 tcagctccat tcccaaccat cactctcgac ttgacccaaa accccaacaa cgccgccatg 300
 cagctgcacc gagtaccacc aggccatggc ggcgccacgt tccctctgcc actgcatgcg 360
 gcagcatctg gtgggtcccca ccttctaggg cacccttgt tcttccaaca gaagctgctt 420

ccaccgcaag cattaatgcc ccttcttcaa cgacaacctt cgtcgaatggc cgaaacgggtg 480
 agtgcagcca ttgcttctga tccgaactca ctgagctttg cagcagcatc t 531

<210> 12856
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220142g12d1

<400> 12856

acacangtag gcggccgtcc ttcttttggt tttttttttt ttatttttta ttttttttac 60
 tatcttgcat caacttggag actggtctct ttaatgcat gtgagactaa actgttttag 120
 ttgactatat attcctggac gctcctaaaa ttaccaagtt acctttgctt aatagaagga 180
 atcaccttca caaaatggag aactgttatg aaagaaacct gtctggctac gcacacgttg 240
 ctgccactgc ttaacctctt gccactacaa tacaccgat tccgaatgac taacttgata 300
 cctcaacact acgactgcat gatccaatgc atgccttatg cacagtagaa agagcctagt 360
 tgccgactgc accatccctg gtagaagata ccacaagctc caaagggcgc tgcacagcta 420
 gcaaatcaca cggaagaaa 439

<210> 12857
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142h01a1

<400> 12857

gtgttggtca gttcttcttc ctctctttta acaacatctc acaattcatt caccttttaa 60
 ttcattctac tcacaaatca caatgctctt cctttcttcc ttaataataa taccataata 120
 atctgttacg ttacggggcc caaatgtctg ttacggagct caaggagcgt cactctgctg 180
 ccaccgacac cgtcaacaat ctgagacacc gtttaaagca gaagcgcctt tcgttgctcg 240
 acacagatat ttctgggtat gcaaggcttc agggtagaac gcctgtgacc ttgggaccta 300
 cggatctggt ttgctgtaga accttgacgg gtcacacggg aaagggtgat tcattggatt 360
 ggacttctga aaaaagtcag attgttagtg catctcaaga tgggcgatta atagtgtgga 420

atgctctaac taggcagaaa attcatgcc aaaagctacc ttgtgcatgg gtcacgacct 480
gtgctttttc accaactggg caagtctg 508

<210> 12858
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142h01d1

<400> 12858

cccataatga gtggttgcca actgttcagt cagagcctga tgtgatctca atgtcggtca 60
ttccaattac gtgtgttttg aatggagtgc cagggagtgg attcttgagc catgccataa 120
acctttatta gcgatataaa ccaccgatcg tagagctcca ccaattcttg gaattccagc 180
tgccaaggca gtgggcacct gtattcagt acctttctct tgggtcccaa ctaaagcacc 240
ggagttctgc atctgtacag tttagcttga tgggccccaa gctttatgtt aactccacac 300
aggttgatgt aagtaagagg ccagtgactg gtctacgtct ttatcttgaa ggtacgaaaa 360
gcaatcgggt ggccatgcat atgcaacagc tttcatgact tccaaaagtc ttccagcatg 420
gagatgatcc aaatgaaaac ttatggcgga agtcttatga taggagattc tttgagaagg 480
tt 482

<210> 12859
<211> 622
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142h02a1

<400> 12859

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ccttattcta catgaatata aattgtgaga tcagatactc tttgataaca tcctaagtac 120
ttatagtacg ttgttcccc cattgcacat atttcttaac catatgattt tcaagtgatg 180
caatacatca tgttatttat tatatgacag ttatttttac aatgagaagt ttaactttga 240
tctgtttata ggtggcaact gcggtgcgga tccgtagttc tctttctttt gcaaccacaa 300
catttttcaa tgagcatgca tttattgatg tgcaagtacc tattataact agcacagact 360

ctgaagggtt tagcaacatg ttgaagggtta acaccctgga acagaaagca gagaaggaga 420
aactagacac aatttatgag actgaagggtg ttagccttga acatgtgaag gcagctgcaa 480
aggagaaaag caacattatt gagcatttga aaagaactga gagcaatagg gaagcactgg 540
ctgctgcagt ataggatctg aggacaacga atgaactcgc attgaaatgg aagcatgaga 600
aaagagacag taggagctct tt 622

<210> 12860
<211> 481
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142h02d1

<400> 12860

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tgccaatagc ctgcaatatg caacttgaat cttagcccaa aacttttact tagttattgg 180
ctttgccata gcttcttggg aaagggataa cgtccctaac attgccaagg ccagttgcga 240
agaggaccat caggtcaaac cttagagtga acccagagtt cttcactgtt ccgtttcgac 300
gaagatctag gtaccattca tactttctctc gcggaagcc taactcatca atcctggagc 360
ttatcatgtt aagacgttcc tcgttttggc taccagatat tattgttcca agctttggga 420
caaccaagtc aaacgcagct acagttccat catgattctg gcgagcataa aatggccttag 480
c 481

<210> 12861
<211> 615
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220142h03a1

<400> 12861

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ccggaaaatg cctctatcct cctcttctctc ctccgccgta gactccgccg tctccggcga 120
gatcatgctc tttggcggtta gagtcgtggt ggactccatg cggaagagtg tgagtatgaa 180

caacctctcg cagtacgagc ttctctcgga cgctgccaac gccaaagacg acgccgcagg 240
 atacgcctcc gccgatgatg cagctccgat caactccgac aagaaccgcg accgcaagcg 300
 agggattcca tggactgagg aagagcacia gctattcttg gtgggggttg agaaagtggg 360
 gaaaggtgat tggagaggga tctcaaggaa ctatgtcaaa acgaggacgc caacacaggt 420
 tgctagccat gtcagaagt actttctccg ccgcaccaac cttaatcgcc gtcgccggag 480
 atccagcctc tttgacatca ccaccgactc ggtctctaca acccctatgg aggaaggagt 540
 acagateccag catcaagata tgtgtctctc tttcatcagt gtaccctgta cccctgaagg 600
 aacaacatga atgga 615

<210> 12862
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142h03d1
 <400> 12862

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 tccatggtct gtacaaggaa caaaaggatc aaattggtct catgacttat taccttgcct 180
 tcagaaggat ctaattcatc atcttttctt ttaacatggt ttatatttct cccgccaaaa 240
 agagaaagta gattagtgat aaacatcttt gtgaatccaa agtagctata gataatgggc 300
 caaagatata tgtttatctt tttcaagcag cacttatgat gctatcttga ttgttgaagt 360
 atggcattgc atgtaaagct gcatgtattg atgatgatgt ttgtcttggga ctggatgaca 420
 aagataaccc cagagacagt gttggtgtga tcaaaggaac ttaaacttgc agtgatataa 480
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<210> 12863
 <211> 595
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142h04a1
 <400> 12863

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 gatcatgctc tttggcgta gagtcgtggt ggactccatg cggaagagtg tgagtatgaa 180
 caacctctcg cagtaacgagc ttcctcgca cgctgccaac gccaaagacg acgccgcagg 240
 atacgcctcc gccgatgatg cagctccgat caactccgac aagaaccgag accgcaagcg 300
 agggattcca tggactgagg aagagcacia gctattcttg gtgggggttg agaaagtggg 360
 gaaagggtgat tggagaggga tctcaaggaa ctatgtcaaa acgaggacgc caacacaggt 420
 tgctagccat gctcagaagt actttctccg ccgcaccaac cttaatcgcc gtcgccggag 480
 atccagcctc tttgacatca ccaccgactc ggtctctaca acccctatgg aggaaggagt 540
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<210> 12864
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142h05a1
 <400> 12864

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 cttaacaact tgctagaaga agataaagaa agagaaaaag tgtgtgtgtg tgagagagag 120
 caatggctgg ctctgtgggca cgccgttctc tgattgttct ggctatcatt tccttcggat 180
 gtttatttgc aatttccatt gctaaggagg aagccacaca attggggacg gtcacggga 240
 ttgatcttgg aacgacctat tcatgtgttg ggtgtttaca agaac 285

<210> 12865
 <211> 102
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142h06a1
 <400> 12865

gttgagggtc atagtccgtg tgacaatttg ttattctttg catttatctt tggagggtctc 60
 cggataatat ttttaataaa aattagataa ttatttctga tt 102

<210> 12866
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142h06d1

<400> 12866

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 ttaatctgat ggcatgaaat gaaacaacca aaatgaaaac ttttgtttcc aaaactatga 120
 tctcgaaaaa acaagggtccc aaattgggga aaaaatcaat accaatttct tggatccaaa 180
 atatcaaaag gacaaggga tccggcatgat catcccagga aattggagaa actcagcaag 240
 ccaccttcac cagatccgcc tttctttcca aacaagacaa gctgcatctt ggcataacct 300
 tccagcacac cggaatcagc aacagatgca aatgtttgca ccaacacctt tgaagaaaga 360
 ctttggaccc tca 373

<210> 12867
 <211> 349
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142h07a1

<400> 12867

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 aagttgtggc aaactgatga aggaaacgga aaacaaggta tatctaacca catacgagaa 120
 acaacagatt gaaagaaatc gagaaatgtc acccataaac tgaatagagg tgaagaagc 180
 acaatccaag acataaaaaca agaataaaat acagcctgaa acaaaatctg atgaaaacag 240
 agctgagcag gcgcactgat gcctaacatc aactgcccga gggactccag ttctagtgc 300
 accctacat tgtgccttgg gcaacttgcaa ccttatatat ggctgaaat 349

<210> 12868
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220142h07d1

<400> 12868

agaaagctta taagataaat ccaaataac tgcaaattag ttctgccaaa aacatcctaa 60

aagttatgat cttcatcata aaatgaaaga gggaggtggg ggcgtggagg gtgaggggag 120

gttataaatt tctcccccaa tagcctcttc ccaatcattc cttcttttga tcacgtcaat 180

ccctgtactc aagccttt 198

<210> 12869

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220142h08a1

<400> 12869

agaaggagca aaagcaatgg cgccgaagaa gccgagaacc acgacaagga accctgattt 60

ggttaggggg attggcaagt attcgaggtc gcagatgtac cacaagaggg gcatctgggc 120

catcaaggcc aaaaacggtg gcgttttgcc ccgccacgat cccaagccca agcccagggc 180

cccggcccag aagccgcccc agttctaccc cgcgagcat gttaagaagc ccctcgtaa 240

caagcacaag cccaaacccg cgaaactcag ggctagcatt actccagga ctgtgttgat 300

cctgcttgct gggaggttca agggaaagag gggttgtttt cctgaagcag ctcccatctg 360

gattgcttct tgtaactggc ccctttaaga tcaatgggtt tcctctcaga aggggtgaacc 420

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ttgatgac 488

<210> 12870

<211> 517

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220142h08d1

<400> 12870

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gaaaagaaaa agaaagagaa tttaacagct atataccata gaatcacttt ctagtttcta 120

tattaacaat gaaaaggcca ctaaaatatt tttctctcat tcaaataaaa caaaatatat 180
 ggccactcaa aagatcatta gcaatgtatt gcagtttagtg ttccccattc tatacatcaa 240
 ccatagagaa ctttgccctgc tttgtcaatc atcattggct gagaatgaga gaaattatta 300
 catgatctag agctatgcga tcccgatgaa tatataggtg acatatagcc acattcttca 360
 atttatgaaa aagagttaat agcatatcag gtaaagattg gccgagacca catagacca 420
 tataacaatt tctcctagga tggaccctgt tcccagttag ttacactgaa gccagaacga 480
 aattttgtta gggatgaaac tatgaagaca cattggc 517

<210> 12871
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220142h09a1
 <400> 12871

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 ccataactcg aagatcttgg tgaggaagcc catggcaaata cagcagaaca tagtggtggc 120
 agatggcaca cggcagaaga acatgccac aggaatagta ctccataact gcgagatcat 180
 gccggaccct accctcttgg cagaccgctt gagcgtgaag acttacttgt ccaggccatg 240
 ggaggcattc tcaagggcag tgttcacga gaatgttatc ggtgacttga ttcagccaga 300
 tggttatatt gcatggagcc caatcgaacc aaacacacag gattgctact tcgctgagtt 360
 tggcaacact ggaccaggtt ccgttgctca tgcaagagcc atgtttggaa aggtcttatt 420
 agctagcgga ggctgtacaa tacactgc 448

<210> 12872
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220142h10a1
 <400> 12872

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 ttgttcttta tatgtgcatt tgttgctgca ttgcatggt cttgggggtcc actagggtgg 120

ttggtgccta gtgaaatatg ccctcttgag gttcgttcag caggtaagc catcaatggt 180
 gccgtaaaca tgctgttcac ttttgcgatt gctcaagttt tcttagtcat gctttgccac 240
 ttgaagtttg gccttttctt cttctttgct gcatttgtag tcatcatgac catcttcatt 300
 gccatgttgt tgctgagac aaagaacatc ccattgaag aaatgcatac agtctggaga 360
 tcacattggt tttggtcaaa gattgttcca catgctgatg atgatcgcaa gcctgaggct 420
 tgccaaagtt gaataagaat gccaatgata tataaggagt g 461

<210> 12873
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142h11a1

<400> 12873
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 tttcatctcc aaagggatca acagggtcgaa ggagaaatgg ggctgacatt cacgaagctt 120
 ttcagccggc ttttcgcgaa gaaggaaatg cgaattctga tggttggtct tgatgctgct 180
 ggtaagacca ctatcctcta caagctcaag ctcgagaga tcgttactac aattcctacc 240
 attgggttca atgttgagac tgtggaatac aagaacatta gcttcaactgt ttgggatggt 300
 ggtggccagg acaagattcg tcccttgtgg aggcactact tccagaacac tcagggtctt 360
 atttttgttg tagacagcaa tgatagggtc agagttgctg aggccagaga tgagttacat 420
 aggatgttga atgaggatga actgagagat 450

<210> 12874
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220142h11d1

<400> 12874
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 gatgttccta aaattacaaa tctacttttg cttattagaa ggaatcatct tcagaaaatt 180

gggaagtgtt attgaagaaa catgtctgtc tacgcacaag tagcttcaac tgctaaactt 240
 tttgccactc ctctacaagg gtttccgaat gtctcacttg atactccaac actacaactg 300
 cttgatccaa tgcaggcctt ttgcacaata gaaagagcct tgttgctgct gcaacgtccc 360
 tggtagaagt taccacaggg tccaaggggt gttccatagc tagcaaattt aatggaagag 420
 atgacctggg tatcaagagg gcaagtgagt gatagcacag gacctacttt tcttcctgat 480
 tctggatctg agtt 494

<210> 12875
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142h12a1
 <400> 12875

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 agtttctcca gagcatggga gtttccatag caaaacacag gctggaaatc atcaagctcg 180
 caaagaaaga agttggtggc ggtggggcgg tgatgatgat gaggagcagc agcagcatca 240
 agttttctat caagaagtgc ctgaggaagt gcttcagcaa gctcgtttcg cgtgaagatc 300
 accacgaagc gatgatggcg acaacagcga tgatggcgac cgagccgaat tggtagcaag 360
 ggaagtggag gagggcaagg cacaatggga acaatgagga tctccaggga gataataata 420
 ataataataa taataacaat aagggagttc aaagaagtag aactattgca ttatcagggc 480
 cctttggatg ggaatggaag aataattcac gagaagatga t 521

<210> 12876
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220142h12d1
 <400> 12876

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 tagagccag cctctcaagc ccaagcccaa gcccaagccc aagcccgttc ataaaatcct 120

cctgcagcaa gcaccagta ccagccctc tgcgtctcat cctctccgt ctacgcctcc 180
 agcatccaac aggaccctca ccaactggtt cagacagcac tctccctctc cctgaaccgc 240
 acccaagcca ccaaaacctt cgtggctaac tgcaacaaat tcagaggcct gaaaccaga 300
 gagcacgctg cactcaagga ctgcgccgag gaaatcagcg acagcggtga ccgcctcagc 360
 cggtcgctga aggagctcaa gttatgtaag gctaaagggtg aggacttcac gtggcacatt 420
 agcaacgtgg agacatgggt cagttctgct ttgaccgatg agagcacttg cggcgatgga 480
 ttct 484

<210> 12877
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143a01a1
 <400> 12877

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 gggtgacaaa ggatgctgag aggattcaaa gggaaaccct gaagaggatt ttggaagata 240
 atgcttctgc tgagtacttg ctgaatttgg gcttgaatgg gaggacggat cctgagagtt 300
 tcaaggcctt tgttccactt gttactcata aagatttggg gccttatatc aatagaataa 360
 ttgatggtga tttttcttct gttctcactg gcaaacccat cacaaccatg tctttgagtt 420
 ctggcactac tcaaggaaag ccaatatatg taccatggaa tgatgaattg tttgacacca 480
 cattgcagat atatcacacc tcttttgctt tcagaaacag ggaatttccc ataaacaatg 540
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<210> 12878
 <211> 583
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143a01d1
 <400> 12878

<211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143a02d1

<400> 12880

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caacccatga caattgggtct gcttaatcga ctctcctcaat tttgggtcca gcaccgcttc 240
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cctcaatttt ctcttatca tcagcagaca gcttgaagc aatcttatca tctttaattg 480
tgttcctcat gttataggcg taattctcca atgtattttt ggctncaact ttcttcttat 540
gctc 544
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<210> 12881
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220143a03a1

<400> 12881

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aatatgtctg attcgggtgt accgagtggc aaacatactc acagttgcta gtgggagatg 180
gacttggatt agtgctatgg tgtcagagtt atgttttggga atatactgga tcactactca 240
atctgttcgt tggaaaatcg tatatcaaac gcctttcaaa cacaggctct tacagagata 300
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gccaccatgc atggcgatga atacggcctt atcagcaatg gcgtacaatt atcctgcgaa 420
taaagtgagc gtgtatctct ctgacgatgg atgctcagag ctgacatgct atgctctctt 480
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ataagcct

488

<210> 12882
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143a04a1

<400> 12882

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cattaaccga cgttgactag aacaacacca ttaagagaag ttatgagcca caaggctgct 120
aagaatcatc atgatgatga ggatgctgat aacgatatga cagtggcact aacacatcac 180
tctagcaggg aaagaataac tggaactgtc tcgaagcaca tcggccaatg tacgaacagt 240
cacaaaatgc gcattatgtg cctgtcatatc gaaga 275

<210> 12883
<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143a04d1

<400> 12883

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accagtcggc ggccgcttct actttttttt tttttacttt atcattttta atttttaacc 120
cctgaaaaac ccccaaagcc actgggacaa tataactccc caaactccac acaaaaacac 180
caatccactc aaaccaatg caaaccattc acgaacgca 219

<210> 12884
<211> 570
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143a05a1

<400> 12884

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<223> unsure at all n locations
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<400> 12886

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 gaagcaaatt aaaaaaata aaagagaaga aatcatcggt gttgtggaca ttgtgtttgt 120
 tttctaagaa gaatggaaac tgtgtgttta aaatctggga tggttccac gatctctatt 180
 agtgggtcgc tggatgcacg tgccaatcct tctcaggtga gcacgggtggg gcgcgccgcc 240
 ggggataaac cgccgcagag gtcgggtgttt tcgaggtttt ccttttggtta ccctttggaa 300
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 ttggcggaca acaacgccga agcgaatgcc gttagagatg acggccaggg tgacggaacg 420
 gaaaggcaga ccgatctgg gttntgaaga tctgcatgta agtccctgtg ggaagggaac 480
 agcgcacgac aagatgtacg gtcacgatca actcaaccaa tttcacgaga agaggtgtgt 540
 gatgt 545

<210> 12887
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143a06d1

<400> 12887

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 ttgtgtcccc catgcttaat aatgaatcat cttataaatt catttgaggt taattacgct 120
 atatgttccc aagagcaaca accgagcagg gaacaaaagc aacacaaaca aatgcatatg 180
 ttgggatgta acaatcctac tgaacctttt cagggactct ctccctgttt gtatcacgct 240
 ggagaagggg gactggcggt gaccacatt gattgatatc atggacctcc cagcaacaat 300
 gctggtatca gctccacgag ataacagaag aggccaccac accttacgcc gttgctccct 360
 cttagcttta cggatctggg taagttcttt gcgaatcaca gttctcaaag actttaagta 420
 agagttcatg tcatgatctc gttgtatact ttctccagat ccataagcag atcgggtcact 480
 taataatcta agtggatgag gtgagtttaa gaagaccatc tgagcagctt cgagccg 537

<210> 12888
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143a07a1

<400> 12888

caaagcctcc accaatgttt ttgctgcttt cgccgccgaa acctcaccgg agctccggta 60
 actcccctgg cgacagcatt ccagactgga tctccgaatc aatcaacggc ggctccctcc 120
 gccgcgtcga cctcaactcc ggcaccaacg gctgggctgc gccgccagge tccgtgttct 180
 ccctccgctc cgaaagtac tttcagaacc gccaaaaatc tcccgccggc gactacctcc 240
 tctcgccggc gggcatggac tggtcaaact ccgccgcgaa actcgaccac gtgctctcac 300
 gcgcggacaa ccgcgtgatg caccgcgtgc gaagatgtca aaccctaggt cgctccctaa 360
 agagcttcgt cttcgcggtg aatctccaga tcccgggcgc gaaggagcac cacagcgcg 420
 tggtctactt cgcgaccgag gaaccggatc cggtcgaaac cggttcactc ttaaaccggt 480
 tcgtgcacgg cgacgacgcg tttcggaacc agcgggttcaa gctggttgac cggatcgcg 539

<210> 12889
 <211> 573
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220143a07d1

<400> 12889

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 ccagtcggcg gccgcccttt tttttttttt tttttacttt ttttttttta ttttttattt 120
 tttttttttt tcttttgggt cttggtttta tttattttca ttatttttct ttttaccttt 180
 ttttcaaagg ccccaagaaa aaaaatttaa cccagaaaaa cccaccccaa aaaaccccc 240
 aaggggccaa aaaacggggc caaaacccaa aataaaagaa aaaaccttgc ggggaaaaaa 300
 cccccaaaaa cgggggaaaa aaaacaaaaa accgccccca aatcccgacc ttccaacccc 360
 ggaaaggcaa atcaaacccc ttctaaaggg gcccccaaaa taaaaacctg gggccgcttt 420
 taaaaaacgg cgaaagggga aaaccccggg ggtccccaaa aaaaaccctt tgggaaaaaa 480

cccccttttc ccacgcgggg aaaaaacaaa aaggccccc cccgaggccc ctaccaaaaa 540
gtggccccc ccaaagggca aaggccccc ccc 573

<210> 12890
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143a08a1

<400> 12890

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tgagagttcag caataatcgg agcagcatcc gcagtggcag catcagccct aatatccgcg 120
aaaccaagg acccaacatt tcacctcatt tacataaact tcacctcttt aaaactcaat 180
ttccctctct tagacgcaga ggttctcttc acggtccacg tcaccaacce taatatcgcc 240
cccatccact actcctccac ttccatgtcc atcttctacc aaggttctct tctcggtcgc 300
gctcaggttc aagccggctc ccagccgccc cgctcctgcc agctcctccg cctaccgcga 360
cgctcctcacg cgctcgagct cgctcaccac gccacgcgt tactccacga cgctcgcgcg 420
cgcgagatgt tctcgcacgc cgcggtgtga tatcgccggc accgccaggg tcatgtggtg 480
ggaccataac ttcaagggtc acgtggacag ccacgtcacc gtctatcccg tgttactcga 540
cgtcattga 549

<210> 12891
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143a08d1

<400> 12891

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gtttattttt aatttttttt ttattttatt tttttttttt ttttttttaa aaggcaaaaa 120
aaaaaattat aaaaaaaaaa aaatacacia aaaaaataaa actaagggat aaaaaatcgg 180
gataaaaaaa aaaaaataaa taaaaaaaaa tgggggaaaa aaaaaccaa aaaaggggta 240
aaaaaaaaa aaaattgacc caaatccga agtttacaaa ccgggaaaa aaaattaaaa 300

actttttaaaa ggggaaaaaa aaaaaaaaaa aaaggggggt ttttaaaaaa aggataaagg 360
 gaaaaaacgg ggggttcccc aaaaaaaaaa ccatggaaaa aaaacaccct taaccaagtt 420
 gagat 425

<210> 12892
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143a09d1
 <400> 12892

ggaaaaaaaa aaagaagccc tatattcatt ctttgaaaaa gcaaattggca aaaaccacct 60
 aggatttcaa agggggaaac cctagattcc aacttataag cctcattttg aaacaaaatc 120
 ctaattaaca gggatatagc ccaaggccaa acaaaacagg gaggccacac cacacacaat 180
 tttccccaga gattctgagt ctcacatccc ggaatctatt ttgaagccgg ggggctttca 240
 taaaagcctt taacaaaccc ctaattctta aaaataccaa ggctcacccc ccatcatcaa 300
 atctattttg aacccaaagg ggtttcatag agacccttga aaaaggggaa aaccggatct 360
 ctagggggcc aactt 375

<210> 12893
 <211> 605
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143a10a1
 <400> 12893

ngtccccgg ccccccccc aggccccna ctgcccggga cgtaaatagc atatattcgc 60
 ancgcctcat gcgcgattna ccgggggaaa gccactcact agncggggga cgccctcttt 120
 ggcagtgata cattttttga acgtttatca aaccaaagaa ctagccgggg ggtagggct 180
 cactggctca cctaacatcc cggttctgaa cgacccatcc aatctctctg ccaaagctga 240
 gttggaaaga gcattgcaa aagggcattg ggaaagagag aagaataggg gagtggtgca 300
 cagtgggttg tttcagcagc agcttgtgct gaaacactca agtgtggggc gctatgcatg 360

aagaattttg caattggcct ttgctacaag cagcatgaat cacacaggca aaaaactgct 180
 ttgaaatgta ttatacagat acagaaccac atatactatg gtccatgtcc aacaatggaa 240
 acaagccagc aacccaaacc taaattttgc acgttagtcc aaaacagcat cgaatatggg 300
 acgtaattag ctaccctcaa ccgcacacgg gtgctgcaca aaacaagcca tcaatcatca 360
 tggatcatcca aagatgtgta gatcatccaa aacaaggatc ggaaaaggat caaaacaata 420
 tagaagagtt tgaaaagc 438

<210> 12896
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143a11d1
 <400> 12896

gggggagcaa tacggcaaaa atattttatc agggagggac caagtccatt tttttttaa 60
 attaccccaa aagacattca aggctaaaca tcattggcag aacataaaat tgtgacaaat 120
 tccaaggccc tttaaactgg aaattttacat ttcccaaaga ttccctttac ccacgcccc 180
 tccactatgg gggaaccctt atatctaatt caaccccaat ggggacccta ccaaagacg 240
 ttattcacga gccgttgggg ccaaaaccta caaggcccaa caaccttggg ccttccaaac 300
 gaggggttaa ctaaaaggta ttcaaggga tatgcccga aggcccgag gttggaaatg 360
 tcccccataa accattaatg ggaacatccc cttctttaag ggttgaaacg gcaaccaggt 420
 ccttggggaa cgggc 435

<210> 12897
 <211> 628
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143a12a1
 <400> 12897

cgccccggg cccccncag cncnnntgt gccccagga tgcgcaccag caactatcgt 60
 aacatatcat gcgcacatac ctaagctcgg cattcttatt aaaatgaaat tcaaatcatt 120

tcttttataa atttaaaaaa aattcttttaa ttaaattattc aatgaaatta aatattttaa 180
 ttaataaaat tagtcctgtc ttattccatt gcttgaattg gtttcttttt acagcagcta 240
 atgctagtca ccgcacttag tcaatgagct agaatgggtt ctaaagatat ccatagacat 300
 atatagatat atttatctat acatatcttt agaaaaacaa aaggagggat atctcctagg 360
 acgtatcatc ctatgcatag cagtggggaa ttatgggaca aacaataaat ccgctgggggt 420
 tcagactagg ctcaactcag agccatgaca ctattgggtt agctcagcca acacattatt 480
 ccgagactat acacgaggat atagaagtac gacattgtat caaaaatcat ctacaaaaaa 540
 atataagact atcctctggc gttgagggaa ttggccagct gctgattcag agacgaattg 600
 atcctattca aggtataata tatatggg 628

<210> 12898
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143a12d1
 <400> 12898

gggaaacaaa acggcacaaa tattttatca gggagggacc cagtccattt ttttttaaga 60
 ttacctcaat agatatccaa gtctaaacaa cattggcaga tcataaaagt ggtacaaaat 120
 ccaatgcctt ttaacatgga aatttacata tcccaaagat tccctttacc cagcccat 180
 aactatgag ggaaccata tatctaattc aacccaatt gggaccctac cacatgacgt 240
 tattcacgaa ccgtttgggg caaaacttac aagtcccaac aactttggac cttccaaacg 300
 aggattaatc tcaaaggtct tcaagggaaa atgctcgaaa ggcccggagg taggaattgt 360
 cccacataaa tcattattgg ggacatccac tactttaagg cttgaaacag caaccagttc 420
 cttgggg 427

<210> 12899
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143b01a1
 <400> 12899

ctcagccatt accacctctt cactttttct ctctcttccc aaactaaaca taaacataca 60
 ttacacattt ctagggttct ctcacacacc aagattctcc tagctgcagc tgaaggactg 120
 tgaagatggt ggagaaagtt gaagaattta acacggagag gatgatggag gaatttgaga 180
 gggtgacaaa ggatgctgag aggattcaaa gggaaaccct gaagaggatt ttggaagata 240
 atgcttctgc tgagtacttg ctgaatttgg gcttgaatgg gaggacggat cctgagagtt 300
 tcaaggcctt tgttccactt gttactcata aagatttggg gccttatatc aatagaataa 360
 ttgatgggtg tttttcttct gttctcactg gcaaacccat cacaaccatg tctttgagtt 420
 ctggcactac ttanggaaag ccaaaatatg taccatggaa tgatgaattg gctgacacca 480
 ca 482

<210> 12900
 <211> 583
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143b01d1
 <400> 12900

caaaaacata gtactataca gccccacttt ctctttcttt ttctcttcac tctaaagtct 60
 aagcatccat ggccatggcg tctgcaaagc tcaacacctt gtcttcccag tggatcgccc 120
 acaattcctt ctctcctcgc cgtggatcct cttctcgcgc agtctctctt ccgatccgcg 180
 cttcttctta ccaacacgaa ctctgcaaaa ccgcaaaatc tattgcatct cccggtcgtg 240
 gaattcttgc aattgatgaa tcaaatgcca catgtgggaa gcgttttagca tccattggat 300
 tggacaatac tgaggatgaat cgccaggcct ataggcaact tctgctcacc acacctggcc 360
 ttggtgaata catctctggt gcaattcttt ttgaagaaac cctttaccag tcgacaacag 420
 atggaaataa atttgtggat tgccctccgc atcagaacat tgtgcccggc atcaaagttg 480
 ataaggtctt ggtccctctg ccagggtcaa acaatgagtc ttggtgcaa gggctggatg 540
 ggttggtctt taggtctgct gaaactacaa gcaaggtgct cga 583

<210> 12901
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143b02a1

<400> 12901

gctctgtttc tgtctctgtg tttgctgctg aggattccga acgagcgacc ttcttcgttt 60
 ctcgcaaagt ttaagtcata atgggtaagg aaaagactca catcaacatt gtcgtcattg 120
 gacatgtcga ctctgggaag tcaactacca ctggtcattt gatctacaag cttggaggta 180
 ttgacaagcg tgtgattgag aggttcgaga aggaggctgc tgagatgaac aagaggatcat 240
 tcaagtatgc ctgggtgctt gacaagctca aggctgagcg cgaaagagga attaccattg 300
 atattgcttt gtggaagttt gaaaccacca agtactactg cacagtcata gatgcccccg 360
 gacatcgtga ctttat 376

<210> 12902

<211> 174

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143b03a1

<400> 12902

cttaaataga ttaagcattt gagttttgta agcatagagg aacctcaagg actgggggca 60
 aacataaaga cgacaagggc atgaagcggg aaggcggatc gactcgcaga gtagggatgg 120
 acttctactc aaaccgaaca ggcagcaccg gcaacatcta cggcgcgctt tgca 174

<210> 12903

<211> 588

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143b03d1

<400> 12903

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 tgggtgtgtct gctctgggtc gaccagccac ttttctgcaa gactttcatg tcacgtggtc 120
 tgactccac atcaagcaac ttgatcaagg cagggcaatc caactcagac ttgaccaaag 180
 ctctggatgt ggatttgctt ccaaggtgaa gtacatgttc gggcgtgtta gcatgaagat 240
 caaactcgtc cccggagact ctgctggcac ggtcactgca ttttatttga actctgacac 300

gaactacgtt cgcgacgagc ttgatttcga gttcttgggc aaccgtactg ggcaacctta 360
cacagttcaa acaaacatct acgctcatgg aaaggggtgac agagaacaga ggggtcaacct 420
ctgggtttgac cctgctgcag acttccacac ctattcaatt ctctggaacc atcaccatat 480
tgtattctac gtggatgatt ttccaatcag agtatacaaa aacaacgagg ctcgggggat 540
tccataccca aagatgcagg caatgggggtg tattcgacat tgtgggaa 588

<210> 12904
<211> 562
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143b04a1

<400> 12904

gccgccatgg gaaatgcctt cctcttccag ggcggagact gtgctgagag cttcaaggag 60
ttcaatgcc acaacatccg tgacaccttc cgcacatcc tccagatgag cgtcgtcatg 120
atgttcggcg gccaaatgcc tgtcatcaag gtggggagaa tggcggggca atttgcaaag 180
cctcgttcgg attcgtttga ggagaagaat ggcgtgaagc ttccgagtta cagaggggat 240
aacattaacg gagactcttt cgacgagaag tcgaggattc cggatccgca gaggatgatt 300
agggcttatt gccaaagccg gccacgctg aatcttctca gagcttttgc caccggtggt 360
tatgctgcta tgcagagggt tactcagtgg aatttggact tcacggatca cagcgaacag 420
ggagataggt accgagagct tgctatccga gttgatgagg cccttggatt catggctgct 480
gctgggctca cgggtggacca tcccataatg agaaccactt gattctggac atctcatgag 540
tgcttattgc tgccttatga ac 562

<210> 12905
<211> 666
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143b04d1

<400> 12905

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taccagtcgg cggccgctct tttttttttt ttttgagttg ccaacgtttt cgtttogatt 120

tcgtttcttt attatcaggg aaaggactct tgtccttggc agttcaaacg cattactaga 180
 tagtatacac atacaaacac agaacacaac atcaaagtga caaccatcga ttaataataa 240
 atatgtaggg caaataaaaa acgaacaaaag atatctttct cttgttgctt tttgaaggtg 300
 acttttacag tactcctaga ggggcaagag gttgctgcga tctgatcctg ctctttctca 360
 aacgctcagc gatgatgaaa gcaagctcaa gagattgtga agcattgagc cttgggtcac 420
 agtgtgtgtg gtaacgtgag ctcaagtcac caaatgtgac cgtccttgac ccaccaatgc 480
 actcggtcac attctgaccc gtcactctca gatgaacccc tctgggtgg cttccttctt 540
 gctcgtgtac gtcgaagaat gctctcactt cggccctgat ggaatcgaag gggcgagttt 600
 taagaccaca gggagcctta atgggtgttc catgcatagg aacactgacc caagtgacaa 660
 tttggc 666

<210> 12906
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143b05a1
 <400> 12906

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 caccgattaga tacttcaact aggacacatt gttcatgttc ttcagagctg aagcaagctc 120
 acattcacat aagatcgaag agctgaatga aacacatatt aaaactagga gtataacacg 180
 gggctgaagc tatactatag agccatgatg ccatctgccg acttctctgc agccatattc 240
 aggaacttgc ccagaaaacc ctatgatgaa tgacactctc tctcgtttgg tgacagcata 300
 caagatcatg catcatgata gcaa 324

<210> 12907
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143b05d1
 <400> 12907

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ataccagtcg gcggccgctg tcaaagtga ctttattatc ctacttttca ttttttcccg 120
 ggaactgatg acacagtcgg aaggaaggac tatgcatctg actgtgacat aaacagagga 180
 gtatgtaatg tgcttcttcc tgaaatacta cattctgatt cttcgcgctg gtgtaacacc 240
 agaagaagga atcgttgtag aagcctcaga actttgagga gcattgaaac acttggccac 300
 aagctgctca atcggatcca ctgcacaacc gtgcagaaca aggtcagaga attcagcaac 360
 ataggagca tacttgtaga aaaccctgta ttgccccca ttggtagccc aatcagatgc 420
 atcccatatt gatgcataca aagtcatagg cttagaaggg aaatgccctc ccatagattc 480
 tgtacgagta acttatctaa taagaacatt gtccacataa aatatgatct gagagtc 537

<210> 12908
 <211> 605
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143b06a1
 <400> 12908

aaataaatat cacggagaat catattagca attgggattc agttgagtgc agttgtaggt 60
 cagaggatct gaatagcaag ttttcctttg aaaatgaaag caacgttcac caaactaggc 120
 gtattaggaa gagccagtct cttcaaagtg ggcttgacca aggcataagg gaaggatgatg 180
 aagatcttgg gttgtcttgt gatggtgccaa aaagccagaa tgagtcaaca atttctatta 240
 gaaggatatca taatccaaat gttgagtttc aagtctgttc aggtcttcta aatgatgtct 300
 caattttttc aattggagac cctatacctt cagataaaga tgcccatgaa atttctgata 360
 ctccattatc tgggtgaattt gctggtaaca ttcttgacca ggacttctgt cctggtatcg 420
 tatctctang cagtcacgtt ctttaccxaa tatcagagct tctatactnt cttctgaaaa 480
 agatgctttt aaacatgcaa tgtcaaagat cttctgatga tcttcatgct ttacgcatga 540
 ngcanaaaga ggaattcatc actgagtttc atgatccaat aggggagatc aaganagaga 600
 gaatg 605

<210> 12909
 <211> 557
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143b06d1

<400> 12909

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atcaatatct agtgcaccaa acttaataca aagagagggg ataaactgtg ctaacagaaa 120
aacatgacaa atacgaaata acaaagtaaa tagatgcata tactgaaaga aaggcggtga 180
acaaatcaat ttggtatgga acagcctctt acagaactcc aaaatttccc tcaactgcgac 240
tcttgcgcat ggagagctct gaaaccaagt tcaatgcttt gtcgggagca tcaaaatgat 300
agcgactttg ggttgatact ttggttctag ttggtggcag gagaggctgc ttacccttgg 360
acagtttttg tgaatccaca cttctgagag catgagtaga cgtgattgat ggctccgtg 420
tggtctgaac accttggtctg cccttccttg tggctctgag atccgctcta aagccgcat 480
caaactgatg ggaattcatt octaaccgaa ctgaacgttc tgctccatcc ttcaaagagc 540
tcaacttcat aggctgc 557

<210> 12910

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143b07a1

<400> 12910

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gagagagtgt gtgtgtgtga gtgaatttcg aaaccccaac ctctctttct ctctcttcca 120
ccaagtgaca cagtcggtgg gcttatacat acatacatag agggacccca acgggtcttt 180
cccttttagt tttatctgct tcgcctcgtg actccctttc tctctgttac tgaatttaac 240
actgctcagc tttcatacac ttcaatccca ttttattggc cacctttccc ttattcacag 300
tactactact tccttattca acagacacca attccagttt ctcttttcag gtttcggaat 360
caatcaatgc cgtgttttta gatacctgcc tgcttttagct accctacgaa caaccttttc 420
acataattgg taatagtcac aaaatagcaa gtcccagatt tttattttac acgattctcc 480
tctggaagcg tctatttctg gcttctactc tc 512

<210> 12911
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143b07d1

<400> 12911

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 tctacaaaaa aaaaacatac atccacacac ccaattacaa accagacatt aaatattaca 120
 accacagaca aacaaccatc attgaacgaa aaacaaatca aacacaataa aaatctcacc 180
 acaggactaa aaaccaggca ctctgcaaaa aaacccccct aacaacgaag gatccccacac 240
 aacttaccca agtaccatac agcccccaaa aaataacacc aa 282

<210> 12912
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143b08a1

<400> 12912

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 tacagttcat ttttcattct gcagaggatt ctgggttggg ggggttgatcc tcttatcatt 120
 ttttacttat ataagttata tttacttatt gatagagggc gtcaatattc gccctacaca 180
 ggtttttttt tttcctaccc aattttggtg gtgaatgtga tatagggatt tgtgcagtga 240
 gtttctaggg ccaatttttc gcaaagttag taaggagaaa acatgatccg atgtaaagct 300
 atattggatt gtaacgcatg cattagactt cccatattgt catcgtaact 350

<210> 12913
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143b08d1

<400> 12913

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agtagttata attaacacac acaactgcta ccgttaaacg gttagtatt acaaacaaca 120
 ttgcgaaagt aaattggatc aaggctcgta tatcagtggt taccatcttc aaggggtgtc 180
 atttctatcg gtagtaagcc tgctgataag tgggagccaa aacatttcca tagccaccat 240
 atgcaggagg atagttcatg ggagctgccg ggtaagacct tgcaatagcc ggtgccggct 300
 caggtgaata agcagcataa ggatttgtcg ggggacttct gctgccatac atgtgggggtg 360
 cggaagggta atgctggaag agcagctggg tattggccgt gtgatggaga cctgacaaat 420
 gtaggagcag cagggaaaga tgatacatat gcattaggca aacgcccagc tttggctgga 480
 ggcattggac ctccattgct gttgcttgct cgagttcttt taatggcagg aacagcaatc 540
 cgtttccttt tc 552

<210> 12914
 <211> 477
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143b09a1

 <400> 12914

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 gggggcacca aaaacagcgc atatcattat caaatgttcg aacatgaaca cgaacacgaa 120
 aactaacat aaaaatccag ccaacaaaac tgtaacaaga tgatagtggg tatctagcta 180
 ttaagataat caatgtatca agcgcgatca caaatccacc ggattaaaaa aaaaattcct 240
 caaaagacac ggtaagattt cccatttgta ctctacagat acaagcacct gacatttagc 300
 caggcctttt tcaacaaaaga gacaaggaaa ttaacactca gttgaacatt gtggaagatt 360
 ggcttttcct ccatactaac attccccaca gctactccca tgcagagcac cttcttaagt 420
 tgaaatttaa ccatggcctt ggactcagaa accttcgact caagagtttc ctggtga 477

<210> 12915
 <211> 448
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143b09d1

<400> 12915
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 ccagacagca gccgccggcc gccctnaaat taaaccagaa cctttactact ttacagaac 120
 gaaaccgcaa agaaggggccc agagaaacaa gcagacatag gaacgaccac aaacaaacga 180
 gaaagaggac aaaccgaaac acaagaaaca caaagcaaca aaaaaaacc ggaaatcaaa 240
 gctcacattc cagtaaaagc cttctttgca ccgctagaag aaccagctgg gatcactatc 300
 aacacagaga acctcacagc ctaagaaaga ggccggcaag gaccacaaac aacgaggccg 360
 gataagccta gaggaaagcc acaagaaacg agccaatcaa gatcagacca aatgaaacaa 420
 ggaagaaacc cagcagagac aaaacgca 448

<210> 12916
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143b10a1

<400> 12916
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 aagttttctg agagatgaaa aaaacaacgg ggttttggga ataatacagt gttctcaaat 180
 agcttaaaat caagcgtaca gggaaattac aaggttaaga cttttgcagt gggcctttgc 240
 tacaagcagc atgaatcaaa caggcaaaaa actgctttgg aatggattat acagatacag 300
 aaccacatat actataggcc atgtccaaca atggaaacaa gccagcaacc caagcccaaa 360
 ttttgcacgt tagcccaaaa tagcatcgaa tatgggacgt aattagctac cctcaaccgc 420
 acacggatgc tgcacaaaac aagccatcaa tcatcatggt catcaaaga tgcggagatc 480
 atccaaaata aggagaggaa acggatcaac acaacataga agagtgtgaa aagcctgt 538

<210> 12917
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143b10d1

<400> 12917

ccatagtcac gttcaatatt gaaggatgaa tatgtacaca acaatggaac caaacgagaa 60
aagcagatat ccaaacgggc taaaagcaaa gagtcacaca ctcacatcat taggttacac 120
ttttaaccac ttagaaagaa aaatgctgga ctaagaatca gctaagcttg ttagcccaaa 180
gttgcccaat tagcttccact tccaacacgt ggcacacac ggatctttga ctgagagtc 240
acattgaagt tggccccgca cataaccccc tcgctgtcaa tccgaggcat tgctttcacc 300
ttctgtgttg gatgctcaaa gttcatgaga ccgtgttcac tatgaaacat acaccagct 360
ggaaatggtg caaatgattt agcacaactt gcttttataa gctccagatt ttcagaaatt 420
ataacagaac catcacctgc aataccccag tagagctcaa tatggccatt agaaccagat 480
gcaacaaaaa ctgttccacc cttggtgtca tagatcacia atg 523

<210> 12918

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143b11a1

<400> 12918

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attcatcccc gatacagaga ttcaaccaca attcaggaaa gaaaaacgag acaaactccg 120
tttcgtatca atagaagctg gaatcgatc gaatcgagag atacggatcg tgaatcatta 180
ttgtagaagt ctctgggtga tggctggtc agaacctgta agtgcagagg gagagagtat 240
ggctgtggat gctgccccaa ggaagccccg gattctactt gctgctagtg ggagtgttgc 300
tgctgtcaaa tttgcaaacc tttgtcattg tttctctgaa tgggcagatg taagagcagt 360
ttcctcaagt ggatctttgc atttcattga tagagcatca atgccaagg atgtaattct 420
atacacggat gaggatgaat ggtctagttg gaagacatta agtgatagtg tgcttcacat 480
tgagcttcgc aaatgggcag atatcatggt catcgctcca ttatcggcaa acacccttg 539

<210> 12919

<211> 287

<212> DNA

<213> Glycine max

002220143b11d1

<223> Clone ID: jC-gmf102220143b11d1

<400> 12919

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agaccgcgc actaatcggg ggccgccctt aatttctgaa tccctgtttt ttcatttttt 120
ttactttttt tgcgccaccg ggggcagggg catcttttgg aaacaaaaac gacgcaaaaa 180
tgcacgcagg gagggaccaa ggccatatct gtttactgtg acaacaagg atccgcacac 240
attaacacac agcggacaac ccaaaagcgt aacgaattcc aacggcc 287

<210> 12920

<211> 582

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143b12a1

<400> 12920

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aagcatccat ggccatggcg tctgcaaagc tcaacacctt gtcttcccag tggatcgccc 120
acaattcctt ctctcctcgc cgtggatcct ctctctcgcc agtctctctt ccgatccgcg 180
cttcttctta ccaacacgaa ctctgcaaaa ccgcaaatc tattgcatct cccggtcgtg 240
gaattcttgc aattgatgaa tcaaagcca catgtgggaa gcgtttagca tccattggat 300
tggacaatac tgaggtgaat cgccaggcct ataggcaact tctgctcacc acacctggcc 360
ttggtgaata catctctggt gcaattcttt ttgaagaaac ctttaccag tcgacaacag 420
atggaaataa atttgtggat tgccctccgc atcagaacat tgtgcccggc atcaaagttg 480
ataaggtctt ggtccctctg ccagggtcaa acaatgagtc ttggtgcaa gggctggatg 540
ggttggtctt taggtctgct gaatactaca agcaggtgct cg 582

<210> 12921

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143b12d1

<400> 12921

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 tttatTTTTgt ggcaaattaa ccatccctca gaaattgcct aagtctgaag ttttaattcaa 120
 aaaaatagaa aatccgacaa cacatgattt ttaagaatat aaacacaaga atttgatgag 180
 tgcagctagc tcacaagaat ttatccaaat attttccaag aagagaagct atgagccttc 240
 tataaacgct ttcagtagga tgaaaactgt cccaaaacac atactctaaa tcgttgggac 300
 acaagggagt gaaacggttg cataataaca caacctctat tggtcccgctg ccacagcaac 360
 ccttgctctcc gactttatag ccatatTTTT tgtagtttat aatgatgtca aagagagggg 420
 tgtaaacatc aatgtaaact atcctgctat cttgaaagtt gtgattgaga gaatccagct 480
 cctttgacaa tttgctgtta aataac 506

<210> 12922
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143c01a1
 <400> 12922

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 ttctgtgct cctcctcgtg tgggtgcacct acgcacgagg tttttgtagc taccaccgtg 120
 cccaattcac atcgcatgtt tcgaacgctt tgtgctgcaa ctgaaatcga aaatcagaga 180
 aagcggagaa gagagagaga gcatggctga tctctttgctg tggctcatct ccttcttcat 240
 tcttattgcc ttaattgtac tcgtcattta ccagttaatg tgcttggcag acctagaatt 300
 tgattatata aatccatag attcctcatc tcgaataaac aaagtgatat tgcttgaata 360
 tattataggt aggtgtccta ttcggcttc 389

<210> 12923
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143c01d1
 <400> 12923

ctatcacttc cctcaccatg gccgagtctt gcctcctctc ttctccctcc tcaactcttc 60

<223> Clone ID: jC-gmf102220143c02d1

<400> 12925

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ggcaatgtct taccaaatta gaaattcttt tgtcttcttt ttcctttgtg ttcttctctt   60
tgggtgtgtct gctctgggtc gaccagccac ttttctgcaa gactttcatg tcacgtggtc   120
tgactcccac atcaagcaac ttgatcaagg cagggcaatc caactcagac ttgaccaaag   180
ctctggatgt ggatttgctt ccaaggtgaa gtacatgttc gggcgtgtta gcatgaagat   240
caaactcgtc cccggagact ctgctggcac ggctactgca ttttatttga actctgacac   300
gaactacgtt cgcgacgagc ttgatttcga gttcttgggc aaccgtactg ggcaacctta   360
cacagttcaa acaaacatct acgctcatgg aaagggtgac agagaacaga ggggtcaacct   420
ctgggttgac cctgctgcag acttccacac ctattcaatt ctctggaacc atcaccatat   480
tgtattctac gtggatgatt ttccaatcag agtatacaaa aacaacgagg ctcgnggat   540
tccataccca aagatgc                                         557

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<210> 12926

<211> 67

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143c03a1

<400> 12926

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aaataaaaaa taaaaaattt aaaatttaaa aaaaaaaga cagacagaag agagagaaag   60
agagaac                                         67

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<210> 12927

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143c03d1

<400> 12927

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ggggaaagca gcctaggatc aatcatgttc attaagggtta taaagttcaa gaaaagtact   60
agtccacagc catcatttct gggacaatat tccaatgggt taccttcaag ctaatatgggt   120
atccttaagt ctgatgaaaa tagttttaag tagtgacta gaggtcctga gcttgattta   180

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tgtaacagaa gtcattcttat agatgttttt gtctttgagt ttgactcttc ttcctttcaa 240
tatttagcat attgactaca ttatacctta atac 274

<210> 12928
<211> 55
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143c04a1

<400> 12928

gtcactctgt tctgtctggg agtccagctc agcacctaga aggacgagct atgac 55

<210> 12929
<211> 210
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220143c04d1

<400> 12929

gcaaattctgt gacccttctgt acccgtctgc angcaaatgc cngtacaacc aataccagtc 60

ggcgggccgcc cttttttttt tttttttttt tttttaattt atcatttttt atccactaat 120

atccaccagg gggacgggtc cacactccaa acgcaccata caccaaagcg aaaaagggcg 180

aaacaaacac ccgggacctc caaacttcac 210

<210> 12930
<211> 601
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143c05a1

<400> 12930

aaatggcaag aatatcaaatt tgggtctcttg tcttctctct catctctaca ctactccaca 60

tagagcccag cctctcaagc ccaagcccaa gcccaagccc aagcccgttc ataaaatcct 120

cctgcagcag caccagtagc ccagccctct gcgtctctat cctctccgtc tacgcctcca 180

gcattcaaca ggaccctcac caactgggtc agacagcact ctccctctcc ctgaaccgca 240

cccaagccac caaaccttc gtggctaact gcaacaaatt cagaggcctg aaaccagag 300

agcacgctgc actcaaggac tgcgccgagg aaatcagcga cagcgttgac cgcctcagcc 360
 ggtcgctgaa ggagctcaag ttatgtaagg ctaaaggggtg aagacttcac gtggcacatt 420
 agcaacgtgg agacatgggt cagttctgct ttgaccgatg agagcacttg cggcgatgga 480
 ttctccgga ggcgctgatg ggaagatcag gactctatta ggctaggatg tcaatgggtg 540
 cagttactag catgctctct gcttataacc atatgctgac acactagtgg gaacatgatc 600
 t 601

<210> 12931
 <211> 680
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143c05d1
 <400> 12931

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 gacgcgctaa ccagtcggcg ggcgatcttc gttattttt tttttttttt tttatctatg 120
 atttactcac atatataata atgacatgga gcacgtaaaa gaagaaaagt aaagcattaa 180
 gcaaccaaga tcattgttcc caactagtgt tgtgcagcat agcgggtaat aagcgagaga 240
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 ccattcagcg ccttcccgga gaatccatcg ccgcaagtgc tctcatcggt caaagcagaa 360
 ctgacccatg tctccacgtt gctaattgtc cactgaagt cctcaccctt aaccttacat 420
 aacttgagct ccttcagcga cgggctgagg cggtaaacgc tgtcgctgat ttctcggcg 480
 cagtccttga gtgcagcgtg ctctctgggt ttcaggcctc tgaatttggt gcagttagcc 540
 acgaaggttt tgggtgcttg ggtgcgggtc acggagaggg agagtgctgt ctgaaccagt 600
 tggtgagggc cctgggtgat gctggaggcg tacacggata gggatgagac gcagagggct 660
 ggggactggg tgctgctgca 680

<210> 12932
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143c06a1

<400> 12932

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tagagcccag cctctcaagc ccaagcccaa gcccaagccc aagcccgttc ataaaatcct 120
cctgcagcag caccagctac ccagccctct gcgtctcctc cctctccgtc tacgcctcca 180
gcatccaaca ggaccctcac caactgggtc agacagcact ctccctctcc ctgaaccgca 240
ccaagccac caaaccttc gtggctaact gcaacaaatt cagaggcctg aaaccagag 300
agcacgctgc actcaaggac tgcgccgagg aaatcagcga cagcggtgac cgctcagcc 360
ggctcgctgaa ggagctcaag ttatgtaagg ttaagggtga ggctttcacg tggcacattg 420
caacgtggag aatgggttca agtctgcttt gaccgatgag agcacttgcg gcgatggatt 480
ctcggggagg cgctgaatgg gaagatcagg actc 514

<210> 12933

<211> 696

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220143c06d1

<400> 12933

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ccagtcggcg gccgtcttt tttttttttt tttttttttt tttttttata attactcaca 120
tatataataa ttacatggag cacataaaag aagaaaagta aagcattaag caaccaagat 180
cattgttccc aactagtgtt gtgcagcata gtggttaata agcgagagag cattgctagt 240
aacctgagca acattgagca tcctagccct aatagagtcc ttgatcttcc cattcagcg 300
cttcccggag aatccatcgc cgcaagtgtc ctcatcggtc aaagcagaac tgacctatgt 360
ctccacgttg ctaatgtgcc acgtgaagtc ctaccctta accttacata acttgagctc 420
cttcagcgac cggctgaggc ggtcaacgct gtcgctgatt tcctcggcgc agtccttgag 480
tgcagcgtgc tctctgggtt tcaggcctct gaatttggtg cagttagcca cgaaggtttt 540
gggtggcttg gtgcggttca gggagaggga gaggctgtc tgaaccagtt ggtgagggtc 600
ctgttggtatg ctggaggcgt aaacggagag ggatgagacg catagggtc ggtactgggt 660

gctgctgcat gaggatTTTT gaacgggctt gggctt

696

<210> 12934
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143c07a1
 <400> 12934

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 tttgtaagtt gggtgtcatc gtgaagcaca ccagcagtgt cgctcgtgaag cacgccagca 120
 gtttcatcat tgtcatcaac cattctccat cattgtcgtg ggtcattttc catcattgtc 180
 gtcgaccatt ctccatcact gtcgtgggtc agcttccagg tcatgttccct ttctcccttt 240
 ctttcttata catagtctct aaggtaaaag ggctttgtgg tgcccttctt tgaatttggt 300
 tgtatctgca ccctgttct ttgcgcaacc atatagctta ctgcatttca aagaaactag 360
 cactcgatta gggttagaag tatgatggaa ctgtgtaaat gcaacgaggc atccgttctg 420
 tctacgaaat atttaatctt tattggagac taaaagtcta gattcccttt tgatgagatt 480
 caaccaacaa tctgcgcaaa catatatgac tcttgagaa cttgttaaaa tactaattag 540
 gtggacttaa tttatttaac t 561

<210> 12935
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143c07d1
 <400> 12935

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 cctgagatca cgacatggga ctggcacaaa tcttgaaaga gcattaactt ttggctgatc 180
 atatataata tatacgacat gaacgaacac atacagagta cacataaaaa ggggggacat 240
 tcagcactaa agccacagct gaaagaacag aattgaataa gaggggaagga aacatagaga 300
 aaataagcac aatccgatga ctgaatgcca atggatgcgc aaaaggaccg tgccaagagt 360

gtcggaaacc cgatgagtta aacacgtacc ttgagcccct tgagtggctg acaccactta 420
cgatgtgaag gcatggacat tgctgccaaa acgcacatat gcacaagccc acaagaacct 480
gcccaattaca cccctgttga gatcaatggt gaagcagatc atgcc 525

<210> 12936
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220143c08a1

<400> 12936

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gtgttcagca gctccatagt gtcgcccggc gacgagctcg tggccgcccgg cagccgtact 120
ccgtcgccga agatgacggc ggcggcgctg cggaagcggc tgcaggagaa gaacccctcc 180
gccgtgtcgg tggaggtcgg agagcatgtc cagctcgctt ataccaccca caacgagtcg 240
ccgtttcagc ccagatcctt tgctgtcaag gatgaggtgt tctgcttggt tgagggagcc 300
cttgacaatt tgggaaactt gagacaacaa tatggactgg ccaagtcagt caatgaagta 360
ttgttgggtca ttgaggctta caaagctttg cgtgaccgag caccctaccc tgctaatacat 420
gttgttggcc atctcagtgagg gagctttgct cttatagttt ttgacaaatc tacttctacc 480
ctctttgtgg catctgatcc atatggtaag gtacctctgt attggggaat aactgctgat 540
ggctacgtaa catttgctga tga 563

<210> 12937
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220143c08d1

<400> 12937

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ggatacataa actgtatttt ttatggggga ataaacacaa tcagtcttta ttactctaata 120
aattctaata gctttggaaa acaacttgag agatcaatag agataatcaa aagaagggat 180
tgattgatta atttactttg tctctctcca atttcaacta ctcttcttag atggaacagt 240

accgtctgtt cctgcaagga tgacatactt gtccttccta gtcaaattgg tgcactcaaa 300
 cccgagagtc cctgcaagaa ccctctgaat ataatttgcg acctcgatcg cagatttccc 360
 tcccttgtag gtgagttctg caggcaactg gttcaagaaa gtgatctcat aagttggcat 420
 gggattcatg aatacaaaat aaggatccaa cagcttgtgg ccgcgaacgg atgtcccgta 480
 taacacgctt tgcttgggtg tgatggcgac cgggacaatt ctatcggtta gctc 534

<210> 12938
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220143c09a1

<400> 12938

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 gtcaaaacgg gagcccaaat aatacaaaaa agaccggttt ttttttatgc aagttttccc 180
 ccacaattgg ggatttctag ccttaaaccg ggttaccccg gggaaaaaga ccccaaaagg 240
 gatggccgaa ataccacctt tgcattttac ccttgaccct tcaagaacac aagagccccc 300
 aggaccact tttggtattc cccacatttg aaaaccattg gaggattatg caacccccca 360
 cccccctggg ggggggtggg taaccaaaca aaaaaccccg gaccttcccc tgaaaggggg 420
 ccagaaaatt gggaagccct tcccttcacc ctttttggcg gggcctaa 468

<210> 12939
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220143c09d1

<400> 12939

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 tgctcgggtt tcaggaatgg aaatcgctcc cctgatatcc aaagctttta ttctccgggt 120
 gtgtcacagt tatgaacaaa tgtggcgctt tacatgacaa accctaacca ccatccacca 180
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SECRET

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220143c10a1
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caaaagacac	ggtaagattt	cccatttgta	ctcttcagat	acaagcacct	gacattttgc	300
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tgcttttcct	ccatactaac	atgccccaca	gctactccca	tgcagagcac	cttcttaagt	420
tgaaatttaa	ccatggcctt	ggactcgtta	acctttgact	caagagtttc	ctggtgagga	480
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<223> Clone ID: jC-gmf102220143c10d1

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tgcagggacc caagttcaaa gaaacagtca gaattcattt cattgcaaaa agaaattacc 240
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 ttccagaccc ccatecgttc ccagatgctg ctttctttgt ggcagatccc cagccagagc 420
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<210> 12942
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143c11d1
 <400> 12942

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 ctacttggtt tggcatcagt tactgaagcc cctgagccag cattttgctt tacttctggt 240
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<210> 12943
 <211> 588
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143c12a1
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aagcggagaa gagagagaga gcatggetga tctctttgcg tggctcatct ccttcttcat 240
tcttattgcc ttaattgtac tcgtcattta ccagttaatg tgcctggcag acctagaatt 300
tgattatata aatccatattg attcctcattc tcgaataaac aaagtgatat tgcctgaata 360
tattatagta ggtgtcctat tcggcttcta ccttgtaaca gggcattgga taatgtcatt 420
gatctgtgct ccttacctct actacaatgt gagattgtac agacaaggaa aacatctggt 480
tgatgtcaca gagatattca acttgctccc taaggaaaag aagcaaggct tttcaactct 540
tctataatgt tntatccttt tctatcctta tttgatgatc acacatcttt gatgacatga 600
tgat 604

<210> 12946
<211> 538
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220143d01d1
<400> 12946

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ggagttcaat acaaatatgt cgaagaaaat ttgaggaaca agagtgaact gcttctcaaa 180
tccaaccag ttcacaagaa ggttccagtg tttattcaca atgagaagcc catagcagag 240
tctcttgtga ttgttgaata cattgatgag acatggaaga acaaccccat cttgccttct 300
gatccttacc aaagagcctt ggctcgtttc tggccaaat tcattgatga taagggtttt 360
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gaagcaattg aggctctgca gtttcttgag aatgagataa aggacacgaa gttctttgga 480
ggagaggaga ttgggttggt agatattgct gctgtctaca tagcattttg ggtcccta 538

<210> 12947
<211> 579
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220143d02a1
<400> 12947

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acgatcacac tcacactcct cgtcgtcgct tgcccaaadc gcttatcgct cttcaacacc 180
caaacgcttc ttctttctcg ccccatcccc gtccatgcga ttcaagaatg acattgcctg 240
taatgaagtt tagtgggtcaa atttcttata gcaggacttt tgatgctgta gagaaagctg 300
caacaaagct cttacaaatt ctccaagaaa aaacgaccga catgatgcaa actgcaattg 360
gatttgacat tgagtggaaa cccaccttca aaaagggtgtt cctcccggaa aggttagcagt 420
gatgcagata tgtggtgaca ctagacattg tcatgttcta catctaattc attctggaat 480
ccctcaaaat ttacagcttt tgcttgaaga tcccacagtc ttgaagggtg gagctgggat 540
tgatggtgat gctgtgaggg ttttagagaa ttatacata 579

<210> 12948
<211> 591
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220143d02d1
<400> 12948

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ctgccaaaagc tgagttggag agagcattgc caaaagggtg tttggaaaga gtgaagaata 180
ggggagtggg gcacagtggg tggtttcagc agcagcttgt gctgaaacac tcaagtgtgg 240
ggtgctatgt atgccatggg ggctctagtt cagtgattga agctatgggc aatgagtgtc 300
aactggtgct gctgcctttc aagggtgacc agtttttcaa ttctaaactc attgccaatg 360
atataaaggc aggggtagag gtgaatagga gtgatgaaga tgggttcttt cacaagagg 420
atatactgga ggcattgaaa actgtcatgt tggaggataa caaagagcaa gggaagcaaa 480
taagagaaaa ccacatgcaa tggagcaagt ttttatcaaa taaggaaatt cagaacaaat 540
tcatcacaga tctggttgcc cagttaaagt ctatggctta gtcttgcctc t 591

<210> 12949
<211> 412

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143d03a1
 <400> 12949

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 tggggtagtt caggtcgggtg aaaagactgg cacatacaag ctgctggaga catcaagcta 180
 cacctgagaa aatgtacaag atcgatgaac atgtagcctg tgctgtggct ggaatgtatg 240
 tgctgatgcc aacatgctaa ctccatactgc tagagttcag gtccatggct atgcatatgc 300
 ttaccaacat gcaatgcctg ctgagcagat ggatcaatct ctgtgcgata ctaggcaagg 360
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<210> 12950
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143d03d1
 <400> 12950

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 tccaataaga gctcgtctgt agtgaaccct aacacggcgg caacgagagg tgttcgggtg 120
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 tccgtaaccc taactctcgc tcacctcgcc gccccaatt ccgaaggcga cgctctctac 240
 acgctgaaac ggagcctctc ggaccctgac aacgttctcc agagctggga tcccactctc 300
 gttagcccct gtacttggtt ccacgtcacc tgcaaccagg acaaccgagt cactcgagtg 360
 gatcttggtg actctaacct atctggacat ttggtacctg aacttgggaa gctggagcat 420
 ctacagtatc ttgagttgta caaaaacaac attcaaggaa ctattcctcc agaacttgga 480
 aacctgaaga gtctagttag cttggac 507

<210> 12951
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143d04a1

<400> 12951

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 ctctagactg caacctttac tctggatggt gcacctcaaa gaaccgggtc tactcttcag 180
 cacatcctaa taatccgatt aagaaacat cattttccac atatcatcat cacaagaacc 240
 aacacatga atccgagatt cctcaacacc ctcttgacct tctaaccatc caagagttca 300
 acaagggtccg caccatcctt ttgaactacc ctctcttcaa gtccctcatcc agctacactc 360
 tcaactccgt tgccttgaa gagccagaca aaaaacttgt cctcaaattg aaaaggggtga 420
 tctacccttg cctaggaagg cttccgtggt tgcataatgt aaggagagact cacatgtgct 480
 cacggtggac cttcgaaacc gccangtggt gagccaggaa gccatactg ttcggtctcg 540
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<210> 12952
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220143d04d1

<400> 12952

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 tcagtttggg catcatcatt tgctacatgc ataaataaag catgtatcta attagactaa 180
 aaaccaactg atgggatctc aagctgaatc acgagccttg caaacaggta aatcatcttc 240
 gaaattggga gggactccaa ggattggatt tctctcaaga aattagcagg cttcaaataca 300
 aaacttgatg atacagtagg catgacagga tagtctctt gacagggtat atgatggaac 360
 cctatttgt accacaaaac aatgtcttta ttctcaattg gacgatccct gttggaccag 420
 acttgaagag tatcatcccc tttgctctgg taagcaaata aaccaccagc ccattgctca 480
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<210> 12953
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220143d05a1

<400> 12953

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tgcttctctg ctacataaac aggcattaca catttctagg gtcctctcac acaccaggac 180
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<210> 12954
<211> 674
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220143d05d1

<400> 12954

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tataataatt acatggagca cgtaaaagaa gaaaagtaaa gcattaagca accaagatca 180
ttgttcccaa ctagtggtgt gcagcatagt ggttaataag cgagagagca ttgctagtaa 240
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tcagcgaccg gctgaggcgg tcaacgctgt cgctgatttc ctcggcgcag tccttgagtg 480
cagcgtgctc tctgggtttc aggcctctga atttggtgca gttagccacg aaggttttgg 540

tggtctgggt gcggttcaag gagaggaga gtgctgtctg aaccagttgg tgagggtcct 600
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<210> 12955
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 <400> 12955

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 gcaaatgttt tccgtgttaa agaagatgtc cgtccaatct tttgggcaaa tcgtccaaaa 240
 agctacatat caaggacaat aggatgggat caataccac acgggcgttg ggggtattcc 300
 tgtaatccat catatggtgc attatctgat tatcagttca tgcggccacg tgcacgggac 360
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 ttagactgta ttgtctggaa agttgagagc aatcctggtc agactagatg gtcttcagcc 480
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<210> 12956
 <211> 648
 <212> DNA
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 <223> Clone ID: jC-gmfl02220143d06d1
 <400> 12956

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002230"EFFE560

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aagaaaacaa aagaaaggaa aggaacatga caacgaacag aagtgcata actaaagaac 360
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ctggatgcat caccctcagg gtacaagctt gcccatcctc ttgaccaaatt ttcaaagtc 540
tcctccttcc atacattgaa gctgacagga tcaacaatgg ttgggtgaat tatctcctta 600
gctgggaaga caccatcatgt cacagcatta acatcagttt gaccaca 648

<210> 12957
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220143d07a1

<400> 12957

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ccaaaccatg cagcgcacgg cgacggcgac agatgaacca cggcggcgct ccggcgacgc 180
ggagggggag aaggcggtca aggggagcga ggtgatcggg gacacgtcac caaattactt 240
gaagaccatt tcggccctgg cgttgcccgt cggaaccatt cattacaacg acgagtcgga 300
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ctttcat 487

<210> 12958
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220143d07d1

<400> 12958

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 aacagcaact tcttggcctg gctctattct ttctggatga acattctgct ctagagcagc 180
 tgctgaatgg actggttcta tctttcctgg atgaacttta cgctctaaag cagcagccgc 240
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<210> 12959
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143d08a1
 <400> 12959

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 ccaagtgaca cagatcagtg ggcttataca tacatacata cagggacccc aacagccctt 180
 tcccttttag ttttatctgc ttgcctatg gactgccttt ctatctgcaa ctgaatataa 240
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 gcactactac ttccttattc aacagacacc aattccagct gctcttttca ggcttcggaa 360
 tcaatcaatg ccgtgttgct agatacctgc ctgctgtagc taccctaaga acagccttta 420
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<210> 12960
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143d08d1
 <400> 12960

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accccccaaa atcaaataaa aaaccaatct taaaaaacag ggaaaaaaa aaactcccaa 240
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cctgggtcca ccaaaacaaa aattccggag tacttgacac gcggaacccc aaccccgctc 360
cccagaccaa ctacattggc tgcaaccca ccggcaaaac cccccggaaa acctaaaaaa 420
aggccccccc cgaaaaatct caccgccgat aacccccaac cccatccggg gaaaaaacct 480
gcaccccccc ccaaaggaaa aaaccccaaa aagttcccct aaaaaaatg cccc 534

<210> 12961
<211> 317
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220143d09a1
<400> 12961

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gaagaccagg acccccccaa taggggtgaca tgacccccga ccagaagggtg acctgctcac 180
aagcaacatt acccgactac aaaagaaaag gtagcagcgc tcccagaaaa aaaaagggcc 240
cgaactgaca cgaaaaagag ggcagacaaa ccgagggacg ggcgccaaac accgcgccga 300
ccggagaacc ccacagg 317

<210> 12962
<211> 527
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220143d09d1
<400> 12962

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 caagtatcat aatccattca tttcaggggg aaaaaaggat tacttcagga tcaacctact 300
 gcgggtaaag ctaatctaag ttctcagagg tgagggtgagt tcaccaacca ccgccagaat 360
 ttccagaccc ccatccgttc ccagatgctg ctttctttgt ggcagatccc cagccagagc 420
 ttccttggtc accatcactt ggaccagcac caccacttgc ttgttcccag ccaccattgg 480
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<210> 12963
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220143d10a1

<400> 12963

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 caacaaaact ggaacaagat gatagtttgt atctagctat taagataatc aatgtatcaa 180
 gcgcgatcac aaattcaccg gattaaaaaa aaaattcctc aaaagacacg gtaagatttc 240
 cccattgtac ttttcagata caagcacctg acattttgcc agttcttttt caacaaagag 300
 acaaggaaat taacactcag ttgaacattt tggaagattt gcttttcctc cataactaaca 360
 ttcccacag ctactcccat gcagagcacc ttcttaagtt gaaatttaac catggccttg 420
 gactcgtaa cctttgactc aagagtttcc tgggtaggaa caagtgtagg gaactttcct 480
 gccttggtga gaccaggacc caaaagacga ggaatctgc 519

<210> 12964
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220143d10d1

<400> 12964

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 aaatataagg gatacataaa aaaccccgct tgctaataac acctaggcaa ctgaacccaa 120

cattcaccac caaaattggg taggaaaaaa aaaaacctgt gtagggcgaa tattgacgcc 180
ctctatcaat aagtaaataat aacttatata agtaaaaaat gataagagga tcaaccctc 240
aaccagaat cctctgcaga atgaaaaatg aactgtaaga ggttgagaag gaaaggtaaa 300
agagaattat tgctggtgaa tgttacacag aagcaac 337

<210> 12967
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220143d12a1

<400> 12967
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taaataattt ttccttgtgc cttgcnaaaa aaaccaangn caaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaagaaaaa aaaaaaaaaa aaaaaaaaaat aaaaaaaaaa 240
aaaaaaaaaa gggggggggc ccccccttag gggcttcccc cccccggaaa aaaattccgc 300
ccggggccct gggggggccc cagttttcct ttaagggggg cgaataaaac ctgggctaaa 360
acggggccaa aagtgttccc gggggaaaat ggttttcctt aaacaatccc ccaaaaaatc 420
aagccggaag gcttaaaggg taaaccggg gggcccaag ggggggcca ccccccttaa 480
ttggg 485

<210> 12968
<211> 533
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143d12d1

<400> 12968
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tccattgaag aataattaaa atataaaaaa aatcataaac ttcgtactac tatcactaaa 120
caaatatcta atcatccaaa gcaagctcat ccgcagactt atgatgattc accttggccc 180

[illegible]

<223> Clone ID: jC-gmfl02220143e01a1

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tggagaccat	cgaactccaa	atcggggtga	aaaactacga	tccacagaag	gacaagcggt	180
tcagtggctc	tgtcaagctg	ccccacatcc	ctcgccccaa	gatgaaaatt	tgcattgcttg	240
gtgatgctca	tcatgttgaa	gaggcggaga	agataggact	ggactggatg	gatgtggaag	300
ccctgaagaa	gctaaacaaa	aataagaagt	tggatgaagaa	actagctaaa	aagtaccatg	360
ccttttttagc	ttctgaagca	gtcattaagc	agattcctcg	tcttttgggt	cctgggtctca	420
acaaggcgag	aaagttccct	acatttggtt	ctcaccagga	aactcttgag	tcaaagggtta	480
acgagtccag	gcgcatgtta	aatttcaact	atgaggtgct	ctgctgggag	agctgtgggg	540
atgtagtatg	aggaaaagca	atcttcaaat	gtcactgagt	gtattccctg	ctcttgt	597

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<223>      Clone ID: jC-gmfl02220143e01d1
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gcgagcggcc gccctggctc ggcactcctt gctcttattt ctccgcctct accaacgccc 60

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 tgctgccaga agctggcgaa gcggcccagg aggacaacct gctggacgcc tagcaccaat 180
 ccgggagctg caaggtcgtg gtggccatga cctaggccta caaagcggag cacggatgat 240
 ccgccaagcg tgttcaacac aacgcacgca gagcgcagcc tgaacgcca gctcggcccc 300
 tcccacgaac acggcgtgac caaattatgc gactgactc cgggcgactt aagccgtccg 360
 aatgttggcc gcgagccaat tgggtttccg aaggacgcc aaaacgcgca catgcaaccc 420
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<210> 12971
 <211> 588
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143e02a1
 <400> 12971

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 ctttgctga agccatttca ggaatcatgg ccgattccaa ggagaagaat cgcaaatttg 120
 tggagaccat cgaactccaa atcgggttga aaaactacga tccacagaag gacaagcggt 180
 tcagtggctc tgtcaagctg cccacatcc ctgcgccccaa gatgaaaatt tgcattgctt 240
 gtgatgctca gcatgttgaa gaggcggaga agataggact ggactggatg gatgtggaag 300
 ccctgaagaa gctaaacaaa aataagaagt tgggaagaa actagctaaa aagtaccatg 360
 ctttttagc ttctgaagca gtcattaagc agattcctcg tcttttgggt cctggtctca 420
 acaaggcagg aaagttccct acacttgta ctcaccagga aactcttgag tcaaaggtta 480
 acgagtccaa ggccatgggt aaatntcaac ttaagagggt ctctgcatgg gagtagctgt 540
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<210> 12972
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143e02d1
 <400> 12972

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 ttggaagcta actcagagag aggcaaagat gttgggaatt ttcaagcaga agttgggttaa 180
 tgcaccaag gagctgaaca gtccagcttc tttgaattca tgcattaagc ctaagctaag 240
 tcatgaaatc ctgaaggatt tcatgtcctg caattcctcc aatgctttct caatgtgctt 300
 tgggaatgat gctttgctag cctattccac ttcatacaag cctccatta atcatagggt 360
 attctctgga ttggataaca tatactgtgt tttcctgggt ggctgcaca accttagcat 420
 gctcaacaag cagtatggac tatcaaagg aacaaatgag gccatgttta tcattgaagc 480
 atatcgta caatcgcgaca ggggtccata cctgctgat caagtcctca aagaacttga 540
 aggcagtttt gcatttggat ctatgacaac a 571

<210> 12973
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143e03a1
 <400> 12973

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 catgcaatta gcaaagagtg tcagctcagg aagtttgagc tcaatggact ggatgcgtgg 120
 agctgcaatg aagcctgctt tcattgatat ctctgcaata gatttcaatg cagattatgg 180
 catgcggaga tcatttagtg aaggagatat aaagactcct ggtaatggta acatgaacat 240
 cgtccaatca ccccttgaga ggcccttct tatcagcaac tgcaccagtg aggaacgctt 300
 ccaaaagctc tccagatata ggaataagaa gacaaagagg aattttggga ggaaaatcaa 360
 gtatgcttgc aggaaggcac ttgctgacag tcagccaaga atccgtggaa gatttgcaag 420
 gactgaagaa tctgatgtca agagggaatg aatgacttaa aactgattta gtaggaagaa 480
 aatagagttg agtagctata tctgatcaag ctatatggaa aaactcagca gtaatatgtg 540
 attagaactt atgt 554

<210> 12974
 <211> 515

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<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220143e03d1
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<400>	12974
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ttagaactta tgtggggagt ctct

564

<210> 12976
<211> 577
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143e04d1

<400> 12976

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cccgtcggcg gccgcccttt tttttttttt ttttttcctt ttttatatca tttttttttt 120
tttttttttt ttttcgggct tttgggtttt ttttttttct tttttgaaaa aaaaaaaaaa 180
aaccaaaaaa aaacctaaaa ctgcccttcc ccacccaaat attgggggca ccccggcaca 240
ccaccatgca tagaccaata cccccccctt ttttttcctt tcccattttc caacaaacct 300
ttttcccaac cgggacggga tccccccccc aaaagaccgg tacccccaca acaacaacag 360
cacccccccc aaaaacttgg gggcccggtt tatcccccaa aatttggcca caacaaccag 420
agcccccccc caaaagtctt aacccccacat aaccgcgggg gcttcccaac aaccgggacc 480
ccaaatacc cccccaccga ttttcctccc accaaaaacc aggcaaacga ttacttcccc 540
cttggaacaa aaaaccttaa ccccttggaa aatcccc 577

<210> 12977
<211> 562
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220143e05a1

<400> 12977

gacacgtggt accctagtta gagttccatt ctgtgggttc tttttttctt tttttctgca 60
tcacatcaca atttgcattg cctcgtgtcc tttttttctt ttgctctcca aaaatctcac 120
acacacaggt atctagcana tgggtttctc ccaacaagaa ccatggctat tggagaatgg 180
gaaaccaagg gttttgacca aggagaccag gcatggccgt tctgcacaca gaatgtcctc 240
cacctctttg cgcaagaaat ctageccgaac tcttgtctca aaggttccat gtgccactct 300
cagaaacttt ctttcaaatt tgcaagaggt tattcttggc accaagcttt ccattctcat 360

ccctgctatt ccagctgcca tcgttgctga gtgctttggc tttggaagac cttggatttt 420
 tatattaagc ttacttggac ttacaccact tgctgaacgt gtgagcttca ttacagaaca 480
 atttgccttt tacactgggc ccacagttgg aggacttctt gatgctacat gtgngaattgt 540
 tactgagctc attatagcaa ta 562

<210> 12978
 <211> 674
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143e05d1

<400> 12978

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 agacagaggc cgacctgaca ttttttttta taaattaaaa ttttttaaat tttgatttcc 120
 cacgatacct agtggagata tatagtaaca caataaatac aagagattct gcaaactgaa 180
 aaagggattc ttactaaagc aaactcaaac aagaacaact tccactcatt tggcatctac 240
 cgtagtaaca caagatcaaa agcagcttct ctgatagaac acacgtacgt atgattcaac 300
 atctttcaca gtagtggttc atttctaaca gctagctatt gcaacttaaa ataattgcaa 360
 tgcttctgca aagtgctaac tttttttccc ccccttcttt atggatatga caatgtgatc 420
 agaatgaaac aataaccaat ccattgaatt tgaatctgat tttgggtttg gatcgatacc 480
 accattcttc atctcaggaa aggacaagaa ataggccaaa gcctactaat taagcgctta 540
 aaactgcatt agtggctggt ttaagtgtga tgtagtaac atcagcttgg atattaaagg 600
 gtgttctttg tacgaagaag catgccccaa taacaatgta gcacagcatg agaacaaggc 660
 cttcatgtag tgag 674

<210> 12979
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143e06a1

<400> 12979

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 tgacatcaga attcgactg aactggaaac cttggacttg tatgctctgc aactgtgtca 120
 ctcacacagg tatttgacca aatggcttac aaccaacaag aaccatgggt attggagagt 180
 gggaacacca agggttatga ccactgagac caggcttggc cactctgaac acagaaagtg 240
 ctccacctgt aggcgcatga aatcaagccg agctcttgta tcacaggctg catgagccac 300
 tctgagaaac tgacttgcaac attggcactg ggctcttctt ggaaacacgc tctgcattct 360
 catccctgct tgtccagggtg acatcggtgc tgagtggatt gactttggcg gaccgtgcac 420
 ctatatatga a 431

<210> 12980
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143e06d1
 <400> 12980

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 accagtcggc ggccgccctt tttttttttt ttttaaatta aaatttttta attttttatt 120
 tcccacgaga cctattggaa tatggagtaa cacagtaa atacaagatatt ctgcaaactg 180
 aaaaagggat tcttactaaa gcacactcaa acaagagcaa cttccactca ttaggcatct 240
 accgtagtaa cacaagatca aaagcagggt ctctgataga acacacgtac gtatgattca 300
 acatcattca cagcagtggc acatttgtaa cagctcgcta ttgcaactta aaataactgc 360
 aatgcttctg cacagggcta acttttgttc ccccccttct ttatggatat gacaatgcga 420
 tcagactgaa ccaataacca atccatcgaa gtagaatctg attttgggtt tggatcgata 480
 ccaccatgct tcatcttagg aaaggacaag aaataggcca aagcctacta attaagcgcc 540
 taaaact 547

<210> 12981
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143e07a1

<400> 12981

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 tggttccttta tgaagcaaag caacagacag atgctatcag gtgaacggac cttcttgaac 120
 gtgtagttaa cgctctccct cacacaactt gcatgagaca tggaggggga tgaaccacc 180
 ttaaggacta tcttgatgac atacaagctc aagacacatg ctgatgatag tgaagggtta 240
 actacatcca ctgccgattt aaagtattat attggggatg actcggacca tgttatggtg 300
 ccttagcctg ccaaccggga tcgggacaac gtcatgagtc taattggcaa gctcgacc 358

<210> 12982

<211> 657

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220143e07d1

<400> 12982

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 accngtcggc ggccgctctt gatttaaggt tttttgtttt gactttttca tttgaacaag 120
 anaaaccgaa gcgacggggc gggggtcagc tctaaacaaa ttcatttata cgatgaaccg 180
 gtttataaat ttgttaaatt ggaaccgttc taaaaaacta acgagtcgca cactaagcat 240
 agcaatacta tcaatatgaa atgattcatt tcatttttta gtcgattcaa tcttataaaa 300
 ttgatcattt tggagaaata aaaatcgagt aatttttcat tttttgtttt ctaaaaaaaa 360
 atatagcaca ttaagataa aatatagcac atttaagata aagaataata tatttttctt 420
 tatttagaaa atatccaaac tttgatccct aaaaccccat aaatagttcg aactgtatag 480
 caacaataat cgattttcgc tcgaatggtt tgtagaggaa ctctaccttc tctgatccat 540
 tcaacacgtg caatttcttt tccgtcgata cgtcctgcaa tttgtacttg aacctctttt 600
 gtaccgcctt gttcagttta ttcaatagct tttttcattg ctttacgaaa cgaaact 657

<210> 12983

<211> 559

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143e08a1

<400> 12983

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 gcaagcaagt gcaggacagc tggcaatcct ctacatctca ctctcctcg gggcactcgg 180
 gtcgggtggg atccgaccct gcatcgtggc gttcggggcg gatcagttcg acgagtctga 240
 tccaagcag acaacaagga catggacctt cttcaactgg tactactttg tcatgggtgt 300
 agcaattctt gtggctgtga ctgttttggt gtatattcag gacaatattg gttggggaat 360
 tggccttggg atccctacca ttgcaatggt cctctcaatt attgcattca ttgtcggata 420
 cccgctttac cgtaacttga acccgctcgg gagcccgttt acccggttag tgcaagtggc 480
 tgtggctgca ttctgtaaga gaaaggcccc aaatgtgtca caccctagtt tactctacca 540
 aaatgatgaa ctagatgcc 559

<210> 12984

<211> 592

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143e08d1

<400> 12984

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 cgttgggttat tagttctttt ttaattcatt tatacgatga accggtttat aaatttggtta 120
 aattggaacc gttctaaaaa actaacgagt cgcacactaa gcatagcaat actatcaata 180
 tgaaatgatt catttcattt tttagtcgat tcaatcttat aaaattgatc attttggaga 240
 aataaaaatc gagtaatttt tcattttttg ttttctaaaa aaaaatatag cacattttaag 300
 ataaaaatata gcacatttaa gataaagaat aatatatttt tctttattta gaaaatatcc 360
 aaactttgat ccctaaaacc ccataaatag ttcgaactgt atagcaacaa taatcgattt 420
 tcgctcgaat ggtttgtaga ggaactctac cttctctgat ccattcaaca cgtgcaattt 480
 cttttccgtc gatacgtcct gcaatttgta cttgaactcc tttgtaccc gcctgttcag 540
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<210> 12985
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220143e09a1

 <400> 12985

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 gggaaaaggg ggaccccccc aattgggggg accccaccca taaccaaaac ccccccttcc 120
 caagaaaaac cccccgaaa aaggggcttt caaaattttt gccccccccc attttctaata 180
 caaacgccc ccttgaaccc cggggacaaa aacaacaaaa cacctttgaa ccccggggga 240
 aggaaatatg aaccctttcg gggcctcccc ctattgtctt gaattccaaa gggggggtct 300
 ccaaagcctt cccccctttt tattgggggc cgatatgca aaaccgcccg cccttttacc 360
 cattttgggg gacgcaaaa gaagggccccc tccggggggg ggacaacccc ccgggtatga 420
 ggggcccccc 429

<210> 12986
 <211> 591
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220143e09d1

 <400> 12986

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 agggggccgtt ttttagaaaa gaaaacacag gtatgtaaat gacataatgc aataaataga 120
 attccgtatt acacttttaa caattattta gtcgaataat aaataactga gcggtggcgt 180
 ctagcaagca gaaagcaaaa ataagtttag aaaacaatta attagtaaata tgcaggcaat 240
 agagaagcat ctacatcttt caccattatt ctttataatc aacctcacta ctttatatta 300
 tatacacgtt ttcaatgtca gcaatctttg gccagtcttc gcctccgggt tcccggcaac 360
 gttgattgag caacggacaa tagtaagtcc tcaaagttga aatggatttg ggcagaccct 420
 cctctggtaa gcattggagc ctggggcagt tagtaagaaa caatgtcttg agagaggaga 480
 ggtggcagag acctttgtag tccaggcttt ttagatctgg acagttcctg atctctagac 540

aaacaagaga gtgtggcagt acaccttcgt caggaagaca ctaacatcca c 591

<210> 12987
<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220143e10d1

<400> 12987

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aaatgtaaag aggcaatgaa tcagtcaccc ataacatacg acaataggta acaacaacaa 120
aaaattacta aaatacaacg tataccattc ttgtaaagta gctagacagt aaatacaata 180
aatgcactaa aatcaaggaa atgtgctgca gaattccagac tccagatata gtcacaccta 240
aatgtttgct gcaaaattct taactagaag ctcatTTgaa ggttcccata ccgacaccag 300
tctcgccgcc agcataaggt tggaagcttt cccctgcctt tgagtagttg atatagtaga 360
attcagagat tatggcagtg aagaaaacag gaccatcttc ggggagaatc ctcc 414

<210> 12988
<211> 317
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220143e11a1

<400> 12988

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tgaataacat ttccttgggc ctcgaaagaa aaaccactgc agcgaagtac aaggaggaaa 180
acaacccac agcatagtga gaggaggaaa aaacagaggg aacaacaaag agtaaacaca 240
acaaaaaaag aaatgggggg ggcccaaac atcctctatc atggctgcgg ggataatgaa 300
gggcctggac ccggaag 317

<210> 12989
<211> 617
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143e11d1

<400> 12989

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 ggacattgat agaaacagta aatcctttat ctgatgaaca gagttaccac cctacaatc 120
 cccattccag tgatgactcc cctgccaat tcaattacat tgccccctcat gcataccttt 180
 tacagtctcc actaatcatc atatagcatc tcaccagcag aaaggaaagt ctactgtctg 240
 gctgcgacaa ctggcccttc cacctgatat atcatctcac caatttgaaa atcagtaaaa 300
 gtaattggaa gtggagagct gaatacacia gattatgcat gcaagaaata ctggaaacca 360
 agtggtatga aaattaaaca gaaattaatt agattaaaag acaatagaag cgcttcctac 420
 atgtaaataa aggacattaa gtgagcacga ggatgattcc ctgagattat taccctaatg 480
 gaatttaatt acaatcttgg tggcctccta tatgactcta gttttaaaga tattctatag 540
 gacaactacc atttggttca gtgaaatttc gttcacatga gttctaaggt taactttaaa 600
 gactttgaga atttatg 617

<210> 12990

<211> 598

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220143e12a1

<400> 12990

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 cnggacaatt acccgagcac ggcaaacggc tcgagggtat ggctgccgct aggaggaaac 120
 agattccgaa gcttgcgctc tcgctcggtc tcgctcagca aatgggggat atgattgaag 180
 agttgatcag caaagggcag cagcttgatg cggctcactt tacatatgaa gtgggtcttg 240
 ggaaaagtcc ctcccgctcc cttgttgaag cctttactca aggatgctaa gaaagatgcg 300
 gcttctatct tggaagatcc taacaatgca ggccgagctg cgtacctagc tgcaaggaaa 360
 gagcagtctg cactcagggc tgtgattaaa tgcattgaag aatacaaact tgaggatgag 420
 ttcccaccag agaatctgaa gaagcgactt gaccagttgg agaaggtgaa gacggtgaag 480
 accgagaaaa ggaaaccggc tgctgttctt gccataaga gaactcgagc aagcaacagc 540

gtgatgctca gcatgttgaa gaggcggaga agataggact ggactggatg gatgtggaag 300
 ccctgaagaa gctaaacaaa aataagaagt tggatgaagaa actagctaaa aagtaccatg 360
 ccttttttagc ttctgaagca gtcattaagc agattcctcg tcttttgggt cctgggtctca 420
 acaaggcagg aaagtccctt acacttggtta ctcaccagga aactcttgag tcaaagggtta 480
 acgagtccag gccatggcta aatttcaact tatgaaagtg ctctgctggg agtagctgtg 540
 gggaatgcta gtcatgagga aaaagcaatc ttccaaatgt tcaactgagt 589

<210> 12993
 <211> 591
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143f01d1

<400> 12993

gtgagactga agagaccctt gctgaagggtt aaatcgttca agtcacagtt cgcagagtgc 60
 aagcccagaa agcaatatgc gggcttgaat ctggaatgac tggaatcctc ttgaaagaag 120
 actatacaga tgactggaga gatataattg aattatctga taggctacat gaagggtgaca 180
 tgctcacttg taaaattaag tcaatccaaa agaataagga tcaagtcttc cttgtatgta 240
 aggatagtga aatgagaagt aatcggttac agaataaccg tgatattgac ccctattacc 300
 atgaagaccg aagctgtttt cagagtgatc aagacaaaagc taggaaagaa aaggagcttg 360
 caaaaaagca tttcaagcca aggatgattg ttcattccacg ctttcagaac ataactgcag 420
 atgaagcaat agagttcttg tctgacaaaag atcctggaga aagtattatc cgtcctagtt 480
 cacgaggacc ttcatatctt actttaactc tcaaaattaa tgatggagta tatgcccata 540
 aggatatagt tgaagggtgga aagaacacaa ggacattaca agcttactcc g 591

<210> 12994
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143f02a1

<400> 12994

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taactttccc acaacactac ccattccatca ttcgttttct ctctagattt tttcagttag 120
 ttattgctgt cttcttttttg tgtgtgccaa caacacagaa agagagagaa agacatggct 180
 ctgaaccaat caaaggccgt gttgttgagg gtgagtttgg tgggtggtggc gctgtgtata 240
 gcaggataca tagtgggtcc cctctctac tggcatttcg ttgcagtga caaccactct 300
 tcatcttcta cttgtgcacc ctgcatctgc gattgctctt cacaacccat tctttctatt 360
 ccacaaggac ttagcaacac ttccttcgga gattgtgcaa agcctgaccc agaagtgagt 420
 ggagacactg aaaagaattt tgctgagcta ttgacagaag aactcaagct tcaggagagc 480
 caagctgtgg aaaaatcagc acgtgctgac atggcattgc ttgaggcaaa anagattgca 540
 tctcagtatt cagaggaag 559

<210> 12995
 <211> 609
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143f02d1
 <400> 12995

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 aagcccagaa agcaatatgc gggcttgaat ctggaatgac tggaatcctc ttgaaagaag 120
 actatacaga tgactggaga gatataattg aattatctga taggctacat gaaggtgaca 180
 tgctcacttg taaaattaag tcaatccaaa agaataaggta tcaagtcttc cttgtatgta 240
 aggatagtga aatgagaagt aatcggttac agaataaccg tgatattgac ccctattacc 300
 atgaagaccg aagctgtttt cagagtgatc aagacaaagc taggaaagaa aaggagcttg 360
 caaaaaagca tttcaagcca aggatgattg ttcattccacg ctttcagaac ataactgcag 420
 atgaagcaat agagttcttg tctgacaaaag atcctggaga aagtattatc cgtcctagtt 480
 cacgaggacc ttcatatctt actttaactc tcaaaattaa tgatggagta tatgcccata 540
 aggatatagt tgaaagtggg aaggaacanc aggacattac aagcttactc cgaattggga 600
 agacactaa 609

<210> 12996

<211> 573
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143f03a1

 <400> 12996

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 catgcaatta gcaaagagtgc tcagctcagg aagtttgagc tcaatggact ggatgcgtgg 120
 agctgcaatg aagcctgctt tcattgatat ctctgcaata gatttcaatg cagattatgg 180
 catgctggaga tcatttagtg aaggagatat aaagactctt ggtaatggta acatgaacat 240
 cgtccaatca ccccttgaga ggcccccttct tatcagcaac tgcaccagtgc aggaacgctt 300
 ccaaaagctc tccagatata ggaataagaa gacaaagagg aattttggga ggaaaatcaa 360
 gtatgcttgc aggaaggcac ttgctgacag tcagccaaga atccgtggaa gatttgcaag 420
 gactgaagaa tctgatgtca agaggggaatg aatgacttan aactgattta gtaggaagaa 480
 aatagagttg agtagctata tctgatcaag ctatatggca aaactcagca gtaatatgtg 540
 attaggactt attgtgngag tctctgtttg ttg 573

<210> 12997
 <211> 462
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220143f03d1

 <400> 12997

 agcacatccg cctgtccatt ccagttccca gcaactccacc atcagctacc cgtagacccc 60
 acataccagt cggcggccgc cctttttttt ttttttttta tcctttatct tttctttttt 120
 ttttctttct ttttttctcc gggccctggg tttttttttt tttccttttg gaacaaaaaa 180
 aaaaaaacca aaataaaacc caaatggcc cttccaaacc caaatatttg gggccccccg 240
 ggccacccca catattagac ccaagcccc cccctttttt ttccttccca tttttaaaca 300
 aaccctttcc ccaaccggga cgggtttccc ccactaaagg accgttacc ccataacaaa 360
 aactggaccc cccccaaaaa cttggggccc cgggttaaacc cccaaacaaa cgcctaaaca 420
 accagaaacc cccccaaaaa gcccaaaacc caaatccgg gg 462

<210> 12998
 <211> 540
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143f04a1

<400> 12998

acaacacata atcgcaaggc accatcctca accccaaccc aaatctcccc gtctagtttc 60
 tcttgatggt tttcgtgggc tcaccgtcgc gcttatgata cttgttgatg atgctggcgg 120
 actcattcct gcactcaatc attcaccatg gaatgggtta acgctagctg attatgtcat 180
 gccatttttc ctatttattg ttgggtgtttc gcttgcactc acatacaaga aactgtcttg 240
 cggagttgat gcatctagga aagcaagttt acgggctcta aaacttcttg tgtaggcct 300
 tttccttcag gaggttattt ccattcgggt gaatgatctg acctatggag tggatttgaa 360
 acagataaga tggatgggaa tactacagag aattggggta gcatatttgg ttgccgcact 420
 gtgtgaaatt tggctaagag tgatgatact gttaattcag gaccatccct tgtaggaag 480
 tatcgggtacc agtgggctgt ggctttgatt ctttctttcc tttatctntg cttgctatat 540

<210> 12999
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143f04d1

<400> 12999

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 ggcgccgcc cttttttttt ttttttttga catttctttt ctaattttta caataaatta 120
 aaaaatctaa ggctaaattt tacatcaata tcgtgtccaa tggttactct cttgaaatca 180
 tttcaaggat atgaagtaaa agtacacatt atattgcagt ggtgctatta taaacaaaag 240
 ctgctttcca tatatagaaa ggttatgcc tcaagagata tagcgaactc taaactatat 300
 ccatcatcca tgcaggtgac gtcacaaaga gattagagga atatgatata cccgttcttg 360
 ttcttgatca aaagattagc tccaaaactc gggttaataat caataaacac cgcgtggtag 420

ccaattttctt ttacagtaaa acatgtctca ctgtcttact gcatataatc tttatccacg 480
 agcatgtgta tgtgcctctc ttcaagtacc aactccaatt aacttgagaa tgttattgtg 540
 aggacttccc ccaataaatc ctntgaggaa aattggaaaa acattgcaag 590

<210> 13000
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143f05a1

<400> 13000

gactcatggc accctagtta gagtttaacc ctgtggtctc attctttatg tctgtgtgca 60
 tgacatcaca attcgcatag actgagagtc cttttttctca ctttggtatc caaaaatgta 120
 acacacacag ggctctaaca aatggcatat caccaactag aaccatgtgt attggagaat 180
 gggaaaccat gggcatgac cacggagacc aggcttggcc gctctgacac agaatgtcct 240
 tcaactatgt gcgcatgaca gctagccgga ctcttgetca taggttccat gtgccactct 300
 gagaaactga cctgcacatt ggcacgacgg tcttattgac gccagactct gcattctcat 360
 ccctg 365

<210> 13001
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143f05d1

<400> 13001

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 ccagtcggcg gccgcccgtt tttttttttt tttaaaccaa aatttttcaa attttgacaa 120
 cccacaaaac ccaaaggga acggggtaac acaagaaaca caaaagacc ggcaaacaga 180
 aaaagggata ctactaaag cacactcaag caagaacaac caccactgag aaggcaacta 240
 ccgaaggac acaagaccaa aagcagcacc actgacagaa cacacgccc tatgacgcac 300
 cagaagacac agcagtggca catttggaac agcagcctag agcaactcaa aacaacagca 360

acgctaagga cagggcacaac cattgagacc accctacaag atggatatga caccgcgaac 420
cgacagaacc aataaccaac ccatcgaagc agaaagagaa tctgggtatg gaccgacacc 480
accatgcatc atcgcaggaa aggacaagaa agaggccaaa gactact 527

<210> 13002
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143f06a1

<400> 13002

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tatgttgccc tgctcccctc gggctttgct attcttcctg atgggcctcc tgcattaaat 120
ggtgggcccc tgcataaagt tggatctgga ggttctctac tcacagttgg attccagatc 180
ttagttgatt cagctccaac cgcaaagtta tctctgggtt cagtggccac tgtaaacagt 240
ttaattaagt gcacagttga aaggatcaaa gttgcagtca tacgtgacaa caacaacacc 300
tgatttcaat tcagaacttt catatacatg tcagaagagc aaattaaggt agagaaagta 360
atgatcgagc ttggcgtggt gcctatttcg tttccaaaac aagggaaga agtcaatgaa 420
cgacactcgg agtatcactt aaacgtagga gtttgacaaa cttcagggtc ggtattgact 480
ttcacttatg acttgaagac taaaatgggt ccatccagct gtagtatttt aact 534

<210> 13003
<211> 617
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143f06d1

<400> 13003

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gggtaaccac acttaggaaa gtttgctcaa gcctacaaat actactcaa aattctacgc 120
taaaataaat agcgagtccg aaatttgagc tttttctaag ttaaaatact acagctggat 180
ggaaccattt tagtcttcaa ttcataagtg aaagtcaata cccgaaccta agattcttca 240
aactcctaac gttgaagtga tactccgagg tgcgttcatt gacttcttgc ccttggtttg 300

cttataaaat tgaccattct ggagaaatca aaatcgagca atttttcatt ttctggttcc 360
 taaaaaagaa tatagcacat ttaagataaa atatagcaca ttcaagatac agaatgctat 420
 atggttcttt attcagaaaa tatccaaact ttgatcccta aaaccccata aatagttcga 480
 actgtatagc ctcaataatc gattttcgct cgaatggttt gtagaggaac tctacctttt 540
 gtgatccatt cgacacgtgc aatttccttt ccggcgatac gtcttgcaat tctgacttga 600
 actccttctg tacccgcctg ttcagctcaa tcaatagcgt ttttcattgc tttacgaaac 660
 gaaactct 668

<210> 13006
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143f08a1
 <400> 13006

ggaaatgggg ggagcaacgt ttgatctctt tttatacgaa atggggctga ttgacatcgc 60
 ctccattgcc gctgccccac agggtaggcc ccgcgccatc caccttgcat gggctaacct 120
 cattggtcaa gccggacatc ccgagaaaca gataatggaa ccggcgataa aaggaacggg 180
 taatgtgggg aacgcagcca acgaagcagg ggtggagccc gagcaggcca cctaacttga 240
 tcccacgctg acgccaagga ctaagtggcc cgctgacaag atctacggag acgagggtgg 300
 gacggacctt gaatactgca ctcaaaaggg gtagaatcat gccattgcag agactctagc 360
 agagcaagcg ggccgggaca ttgcgaagga gacaggaatt gatgctgtca 410

<210> 13007
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143f08d1
 <400> 13007

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 cagcatatct tacagagttg cttccatctg gaattttttt gtgaacagaa cactaaggat 120
 tttgaagtct cacccttttg tctggagtaa actaaagaaa gcatacactaa aatctttcag 180

aactagtagt ccatataggt tgaaatttct gtttcaatta ctttggcaaa acttcatttc 240
 agtgtatata tacaacaag ctactccaat tcacctgtgt accactagct agcgactctt 300
 ctcttctca acttcttcaa gcagtgttg tagctctgt tctgttaagg actctaaccg 360
 cttctccatc actttgcttt cataatcacg tagttgctgt gcatatgtca tttccttggt 420
 tgaaactctg aagatatatg ttgagatcca cccaactgta aggcccaaaa ccagcactag 480
 ctgaactaca tttcctgctt gcagtgagtc aactccaaca aacttcagtc cactttttaa 540
 gccaatgcc a gtaaaagt 558

<210> 13008
 <211> 572
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143f09d1
 <400> 13008

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 tggacctcgg tgggtgggact tttgatgtct cccctctcac cattgaggag ggtatcttcg 120
 aagtgaagc cactgctggt gatactcact tgggaggtga agattttgat aacagaatgg 180
 tgaaccattt tgttcaggaa ttcaagagga agaacaagaa ggatattagt ggaaatgcc 240
 gagcattgag gaggttgaga acagcatgtg agagggccaa gaggactctc tcttccactg 300
 ctcaaaccac cattgagatt gattccttgt atgaggggtat tgacttctac acaaccatca 360
 cccgtgccc tttcgaagag cttaacatgg acctattcag gaagtgcag gagcccgtgg 420
 agaagtgttt gcgggatgct aagatggaca agagcacagt ccatgatgtt gctcttgctg 480
 gtggttctac taggattccc aaggttcaac agttgttgca ggacttcttc aacgaaagga 540
 gctttgcaga gcattacca gatgaactgt tg 572

<210> 13009
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143f10a1
 <400> 13009

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 ggggaaacac aaaaccgcac aaccccgccc caccctaaac gggcacacgg ctgcgaaagg 120
 gaataacaat aaccccccaa aacgaaaaca tgccccaga acaatgatta aactcaccaa 180
 aaacagtatc accccgctaa accagaaacg ggacaagcca cccaagacaa aaaaagtgc 240
 ccaactacca ctaaaaaaca ggtgaacacc caaattgtag ccggccaccc caccgccccaa 300
 accgaaaacc accaaggcaa gaccattttc cccagggttt ccaccacac accgcaa 357

<210> 13010
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143f10d1
 <400> 13010

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 tggatggaac aagagctcat aattcatgaa agcctcgaaa agggaaaaca acattgttca 120
 gtgcccctac atgactaagt aataatactc aggatcttat ttcatagaaa ttaaggagca 180
 acttagaggc ttgatttgag agcttaatca tagtacaagg gattaggcag cttaaaagtc 240
 ctagtccctt tgttgcttcc caggagggtca ctccattggg ctccaacggt tccaatgatt 300
 ctgtatccct ccttctccag cttctctctc tcagctgatt tgtattcaaa tgataactta 360
 ccagagtact cagatggatc cctgagaatt aacttctccc atgtgttgaa tccaacctcc 420
 tttaagttct tggctgttac atcccctaga ctcaatgggc tttctgataa gaatacaatc 480
 ttgatgccga gagccaacag ttttgttgta cattttaag 519

<210> 13011
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143f11a1
 <400> 13011

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 gtaacttagg gccccctggc cagaagccaa aacggcccaa gaaaccaaac tatacacaac 120

agcatcagt acccaggggc gccagggcag agcctgagac cagaggaacg aggctgtgct 180
 gcatgcaagc gcggagcagg accctgacgc cctggaggcc cgagaagcct gcaccaagac 240
 caacatggag gaggttacac ggagagaaca caaccaaagc gcacaggggc actgagaagg 300
 aagagcgtga cgcacgcaag aacaaagggt gcgacacgca tgacgagaga cgagaggctg 360
 acaacaggaa ggcctgtctg cacatagacc agcaaaagac tgagcttgca cagggagtgc 420
 acaggcacca cccaaaaagg cctagagga 449

<210> 13012
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143f11d1
 <400> 13012

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 acttttagcag agggctagtt ttacatgtcc tattgataac ggatgtcaga gccatggcta 120
 tcctacgcct tcaactaaga actcattaac acgaatactt tgggcaccta attaaagcgg 180
 aagggaagaa atgacagcgt gcgtgtatta ataattacat ttggtcgtag catcactttg 240
 cttacgagaa cgtatagacc acatggggac gaagaatctg cctgaagcca taacgcgaag 300
 aagagactca cgtgcaatac aatcttacgt aatttgctag gactagaccg atgcttatct 360
 gattcagcaa cttcccccat atcttctaga gaagaagaac cgacattgta aagg 414

<210> 13013
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143f12a1
 <400> 13013

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 acccaagacc gctccaacca gaccatcgcc tcggacctcg atggcaccct ccttgtctcc 180
 cggagtgcct tcccctacta cttcctcgtc gccctcgaag ccggcagcgt cttccgagcc 240

ctccttctct taaccttcgt ccccttcgtc tacttcacgt acttcgtcct ctccgaaacc 300
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ctcgtgtccc gctccgtgct gccgaggttc tacgccgagg acgtgcaccc caccacgtgg 420
cgcggtgttca acgcgttcgg ggggaggcgg tgcattgtca cggcgagccc ccgggtgatg 480
gtggagccgt tcgcgaagac gtttctcggc gcggatacgg tgctcgg 527

<210> 13014
<211> 578
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143f12d1

<400> 13014

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tgtcacgtgt tctacgacgg tccttttacg accgatgtag aaagctttgt taactgcagc 180
agcactagat gatatcccca cccaattgct ccctcgtggc atagtcgtgc ttgttcttcc 240
tgactccctt catcaattga ccaccaacct aataatctag aaccatgatg caagaaccca 300
aagcaatcat gagctcttga agaaaatata aaatatattc ctccaccaac tccacttcgt 360
agcagtaaaa gtgaaagaga atcaccttga ttaatgccta acatgcaatc tgcaaactct 420
tcaattagct gattacttaa ttcaattgac tattgtatgt ataataagac tagataccta 480
acagtaaaag tgtaacaata tactagtgc aagcattttc aaaacaatgc ataaacaaac 540
attatatgaa gtgaatatct ggtagataat ttcctacc 578

<210> 13015
<211> 446
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143g01a1

<400> 13015

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ccaagaagtg agaagaatcg cggaaaaggc acgggtggtg ttaagaatcg tctgaaggag 120

gctagaagtg gcctatctac atcaaagaag cttctaaagg tgctaaatca aatgtgcctt 180
agagagcagc aaacatcaag catgcctctt gtcttggtc tggggagtga gcttgatcga 240
gtgtgccacc aaattgatca gctgatccac gaacagcgct cgaaccagaa cgatgttgag 300
tttgtcatga agcattttgc agaagagaag gctgcttgga aaagaagaga acgagaaagg 360
attcatgatg ccatataaca cgtggctgaa gagcttgagg tggagaagaa gttgaggagg 420
caaactgaaa ggctgaacaa gaagat 446

<210> 13016
<211> 608
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220143g01d1
<400> 13016

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aagcccagaa agcaatatgc gggcttgaat ctggaatgac tggaatcctc ttgaaagaag 120
actatacaga tgactggaga gatataattg aattatctga taggctacat gaagggtgaca 180
tgctcacttg taaaattaag tcaatccaaa agaataaggta tcaagtcttc cttgtatgta 240
aggatagtga aatgagaagt aatcggttac agaataaccg tgatattgac ccctattacc 300
atgaagaccg aagctgtttt cagagtgatc aagacaaagc taggaaagaa aaggagcttg 360
caaaaaagca tttcaagcca aggatgattg ttcattccacg ctttcagaac ataactgcag 420
atgaagcaat agagttcttg tctgacaaaag atcctggaga aagtattatc cgtcctagtt 480
cacgaggacc ttcatatctt actttaactc tcaaaattaa tgatggagta tatgcccata 540
aggatataat tgaagggtggg aaggaacaca aggacattac aagcttactt cgaattggga 600
agacacta 608

<210> 13017
<211> 383
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220143g02a1
<400> 13017

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 gctagaaatg gtctatgtac atgacagaat cttctaaagg tgctaaatga actgtgccgt 180
 acagagcaac aaacattcag catgcctcct gacttggctc tggcgagtga gcctgaccga 240
 gtgtgacacc gacttgatca gctgatccac gaacaccgct cgaaccagaa cgacgtcgag 300
 tatgtcatga accatcttgc ataggagaag gctgcttggc atagatgaga acgagaatgg 360
 attcatgatg ccataaaaca cat 383

<210> 13018
 <211> 659
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220143g02d1
 <400> 13018

ngccccgcnn ngggggnnnnc cgaggggnng gaggggcatt gnnacatcng tanncnctaa 60
 gagaagtacc ggggganacc aggaagagag aggggtggact cgctgattat agagggttttg 120
 ttggggaatt ttagcaggac tggacctaaa aaggggcctc cggggcggac ccaaaaagag 180
 agagggacta tccgcggtgg ccagacacgc cagaagggtg gagatcggtg actgaggaat 240
 acagcgacaa agaaatgggt ctagcttgca agctcatgga ggtgttgtcc gaagcaatgg 300
 ggatagagaa agagggttta agcaaagcat gtgttgacat ggaccagaag gtggagggtg 360
 attactaccc caaatgccct caacctgacc tcaactttgg cctgaagcgc cacacggatc 420
 cgggcactat caccttgctg cttcaggacc aagtgggtgg acttcaagcc accacggaca 480
 atggccaaac atggatcacc gctcagcctg gggaggtgc cttcgtcggc aatcttggag 540
 atcatgctca ttatctgagc attggaagg tcaagaatgc tgaacaccaa gcggtggtga 600
 actcaaacca tagccggttg tccatagccc cttttcaaaa cccagcacca aatgcaact 659

<210> 13019
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<223> Clone ID: jC-gmf102220143g03a1

<400> 13019

agatattagg gtttttgagt gcggtgcggc gatcctagca ctctcttctg cagctttcgc 60
cgacagcttc attcaccatg gctgagcaaa ccgagaaggc ttttttgaaa caaccaaag 120
tgtttctcag ctggaagaaa actgggaagg gaaagagacc cggaaagggt gggaaccgct 180
tttggaatc cattgggctt ggatttaaga ctcccaggga agccatcgaa ggaacctaca 240
ttgacaagaa gtgccccttc actggcaatg tttccatccg tggccgtatc ttggctggaa 300
catgtcacag tgctaagatg aacaggacta ttattgttag gaggaattat ctccatttta 360
tcaagaagta ccagaggtag gagaaaaggc actccaatc tctgtctcat atatcacctg 420
ctttccgtgt gaaggaagga gatcacgtta ttattggtca atgcaggcca ctttctaaga 480
ctgtgagggt caatgtgtng aaagtgatcc cagctgg 517

<210> 13020
<211> 616
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143g03d1

<400> 13020

gactcacctt ctgatcgact actgaaatag tactgtatgt tacatacccg ttaaaccgca 60
ataccagtcg gcggccgccc tttttttttt ttttttaaca agatccttat catattgcca 120
gaacgaaacc tcaaagaaga gccaaaattg acaagggttt catatttggt atcatccaga 180
aaagaaatca gatataataa ttaataaggt aacattttatc ttcaataaaa actggaaatc 240
aaagctcaca ttccagtaaa agccttcttt gcaccgctag aagatccagc tgggatcact 300
ttcaacacat tgaacctcac agtcttagaa agtggcctgc attgaccaat aataacgtga 360
tctccttcct tcacacggaa agcaggtgat atatgagcag gaatgttgga gtgccttttc 420
tcgtacctct ggtacttctt gataaaatgg agataattcc tctaacaat aatagtcctg 480
ttcatcttag cactgtgaca tgttccagcc aagatacggc cacggatgga aacattgcca 540
gtgaaggggc acttcttgtc aatgtaggtt ccttcgatgg cttccctggg agtcttaaat 600
ccaagcccaa tggatt 616

[illegible]

<400> 13021

<210>	13022
<211>	678
<212>	DNA
<213>	Glycine max

<400> 13022

5973

cctgttcac ttagcactgt gacatgttcc agccaagata cggccacgga tggaaacatt 540
gccagtgaag gggcacttct tgtcaatgta ggttccttcg atggcctccc tgggagtctt 600
aaattcaagc ccaatggatt tccaaaagcg gattccaccc tttccgggct ttttcccttc 660
cagggttttc gagctgag 678

<210> 13023
<211> 597
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143g05d1

<400> 13023
aaacacgtca attttcagct ttacataaca ttgtgacaaa atgcgatcct gtttacactt 60
tcaaccagct tgacataact taaggacaaa aaagttacaa ctaaacttgt tgcagaccat 120
gtgacagtga ctgcattcct ccatgactcg tgcattgtca tgaccaagag aggcttatag 180
tcttcatttt acatatgggt gatactagta agcaacacct ccatcagttg tagagctgag 240
tctaccattc attttcattg gattagcgtc tcataatcct aagagcttca aaagttgcat 300
atacagacag cagggtataaa actctaaagc ctagctacag atagattcag agccccctga 360
gaactatata gggctatctt cacaacttga tccattgtcg ctcatcagtt ggaaatcagg 420
gggactgatt cctgtctgag ttttgatggg cttctgtcca accaggttca tatgcttcta 480
gaaaaccag ctttgcttg ttaggtaagt catgaagatg gacaaatgga acgcccagtg 540
gccaccctat ctccattcgt atatttgac atgggctatc tacgctgtga atgtgac 597

<210> 13024
<211> 573
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143g06a1

<400> 13024
gggaggctag ccgtcgggtga agaatcgctt gattcgctg gaaatcgca ttcaagcacg 60
ggcatcccc gatacagaga ttcaaccaca attcaggaaa gaaaaacgag acaaactccg 120
tttcgtatca atagaagctg gaatcgatc gaaatcgca gatacgatc gtgaatcatt 180

attgtagaag tctctgggtg atggctgggt cagaacctgt aagtgcagag ggagagagta 240
 tggctgtgga tgctgcccc aaggaagcccc ggattctact tgctgctagt gggagtgttg 300
 ctgctgtcaa atttgcaa atttgtcatt gtttctctga atgggcagat gtaagagcag 360
 tttcctcaag tggatctttg catttcattg atagagcatc aatgccccag gatgtaattc 420
 tatacacgga tgaagatgaa tggctctagt ggaagaaatt aagtgatagt gtgcttcaca 480
 ttgagcttcg caaatgggca gatatcatgg tcatcgctcc attatcggca aacacccttg 540
 gcaagattgc tggagggttg tgtgacattc tac 573

<210> 13025
 <211> 684
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143g06d1
 <400> 13025

gctcctgtgc gcccttctac gaatagtact tgcaggtcna ttaatgatac cacaaatanc 60
 agacggcggc cgctttttgt tttttttttt tttttaggat attttataat tttgnaatgc 120
 gtaaaggaat aaaggggtcaa aacaggggta acttttttgt aaatttttac ccaaacaatg 180
 atgtttctgg agtaaataata gaatttgaag tctaataatta tggcagtgcg ctgtagcacc 240
 cgaaaagctg tatttagacc actattgcag ccgctacagc ggttattgaa aatcgctcag 300
 cgatttcgac ttccatagta actcagggct gctgcgctcc gttatcctgc tatagagtgc 360
 tattgactac catgaatggg ggcgtaggac tacccttca ttcaccttaa gggtaccaca 420
 gctctaccta tgacaacagg taaagttcat atagatggat agtagtataa aatgaagttg 480
 agattcacat aatgcacaag gaagatgatt tgccaagatt ttttacatgt tcatttcatg 540
 cttaccgttt gggttattaac aggtttgcat tttgtagcgt taaaagggtca ttatctgcat 600
 ataactctgat ttttctgca taaaagttc atcttgtgga tgcggtctga ttgctagcac 660
 ttcagatttg tggctgctgt taat 684

<210> 13026
 <211> 351
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143g07a1

<400> 13026

tggcttatac aacctcactt tttctgcgtt tttcacctcc cacccaaaaa aaaccaggca 60
 ggggccttat tcaaggggga aagggaacca tatcaacca tcgaaacatc gacagatcga 120
 tcgatcctgc ctttctaacc acccaatggc aggcgcgcct gacaaagcgc gcgacaacat 180
 acccacacaa acttgccac accgtggagt ctgtagggcc ccccatcgt ggggtcctgg 240
 accggccac agcaaccct aaggcaagg gatgccacg ttaccttggg gaaggcacc 300
 ctccggacaa cccggaggcc gagggccccc atgcgctcgc ctgagcgggc c 351

<210> 13027

<211> 588

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143g07d1

<400> 13027

agcactcaca ccagccgctt ttcgaccccg ttactagttt gttagttaac cgttagaacc 60
 aataccagtc ggcggccgct cttaaatttt tttttttaa cttttttttt ttcagttcag 120
 gcaaaaaaac aaaaaccagg gggcaaaggt aagcctcacg gccgcacaac cccaagccc 180
 caagcccaac cgggggaaca ccaaccccca accaacaaca aaccaagaaa accctcctgg 240
 ccagctccaa ttaattcaaa ctcatctgct agaagttgaa aaaaaataaa atacagcaca 300
 tctaagtccc cttegaattc actgctaaga aggaatgata aataactaaa agaaaacaac 360
 tgaaagccaa agactccaaa agtttttagta ggcataagccc ttgacaaaca ttcccttctt 420
 ggctcttca ctctaccct cagcagagta tctccaagt tgagccaagg agtttgcttt 480
 agcacgcacc aaaagggact tttgagcagc ttccacattc tcagggtgtc cttgccatgt 540
 cttaagcaca gtgttctgaa aagcccgtgc atatgagaaa gaaacatg 588

<210> 13028

<211> 558

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220143g08a1

<400> 13028

gaacttcgtc ctccctctgt ttctttcttt cttagttgca ggcgattgc tgcacgtcc 60
 tccaataaga gtcgctgct agtgaaccct aacacggcgg caacgagagg tgttcgggtg 120
 aagctcagat cagcgatggc agcagcaacc cgcacttctc tgcggttcct cctctcagtc 180
 tccgtaacct taactctcgc tcacctcgcc gcctcaaatt ccgaaggcga cgctctctac 240
 acgctgaaac ggagcctctc ggacctgac aacgttctcc agagctggga tcccactctc 300
 gttagccctt gtacttggtt ccacgtcacc tgcaaccagg acaaccgagt cactcgagt 360
 gatcttggtt actctaacct atctggacat ttggtacctg aacttgggaa gctggagcat 420
 ctacagtatc ttgagttgta caaaaacaac attcaaggaa ctattcctcc agaacttgga 480
 aacctgaaga gtctaattag cttggacttg tacaacaacc acatatcagg caccatccca 540
 ccttcattgg ggaaattg 558

<210> 13029

<211> 558

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220143g08d1

<400> 13029

gaacaggcaa ataaacaatg gctatggggg aaactttggt tttcttctgt tcttttctca 60
 tgttcttttc ccatttgggt ttttactaat cccaacctc cattttacca agaaaacctt 120
 tctttctagc ttcaatttat tcaaactcat ttgctagaag ttgaaaaaaa ataaaatata 180
 gcacatctaa gtccccttcg aattcactgc taagaaggaa tgataaataa ctaaaagaaa 240
 acaactgaaa gccaaagact ccaaagttt tagtaggtat agcccttgac aaacattccc 300
 ttcttggcct cttcactctc accctcagca gagtatcttc caagttgagc caaggagttt 360
 gctttagcac gcacaaaag ggacttttga gcagcttcca cattctcagg gtgtccttgc 420
 catgtcttaa gcacagtgtt ctgaagagcc cgtgcttatg agaaagaaac atgccatggg 480
 ttgggacttt ggttcatggc atttagatth agtgggtgctt ccacttggga ttgccaccag 540
 acaaaaaacat gattccgg 558

<210> 13030
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143g09a1

<400> 13030

agttcaaaag gtttccaacc cacaaaaaaa caagggggcc caggggggaa aaaacaggaa 60
 aaaagaccgg cacaccacca aaaaaaaaaa acaaaaagga caccagaagc cacacaaacg 120
 gaaacacagg cccacacaac cgcccacaag acgcggacca agcaaaggaa aggggacggg 180
 ggcggaacca aaaaaccag cacgcccgcc ccagaggaac cc 222

<210> 13031
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143g10a1

<400> 13031

tgtcttntnn ncttttcttt tttttttttt tttttccccg cnntcttaaa aaagccaggc 60
 ggggggtttta ttcaatggag aaagggaacc atataaatat atctatatat agatagatag 120
 atagatatag cttttcttac aaccaattg aaggccgtac tgagatagtt cttgacaaca 180
 ttttcattca atatttgcaa cactttgggg ttgggagggc ccacccatct tgatgtcttg 240
 aaccggctca cagcagctcc tagggcaagg gaatgccaa gaacctccgg gaatggtect 300
 ctccgaacaa cccggagtgc gggggcccct atgccgttga ctttgogtga gcctgggtag 360
 ccagcatcaa caagagactt ggccaaacag gtggagcatc caccaagcac ctcttgactt 420
 gcttcaccac ttatttccca aaa 443

<210> 13032
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143g10d1

<400> 13032

tctttttttt ttttttttta tttttttttt ttttttcttt tttttttttt ttttggttag 60
 gggtaaattt catttcattt catcaaaata atgggtacat taaaagctt tcttatatca 120
 caaccaataa cgcgccttaa aataccaaca aagagggccc caagaggttt attttaaccc 180
 aaacaaccta tgccccgtct gattcaaacc caggcttcgg ccaacgtacg aactcggacc 240
 catggaataa ttcgttatat gcccaatggg tacataacac aacaaaaaca aattaacagg 300
 gtaagaaaca aaataacaaa catgtactac gtattagcga ggcattgcctg aatggtggga 360
 accactgaaa atttaattaa attaaatgcc accaaggac tctggggggg cactgggaa 420
 cctgactta tccctacaat agccatagat aacatggttc aaacgaaccc acctgtacct 480
 ttttggttca atggagttaa gggcttggaa tgctggccct tccaacagt tacttgggtt 540
 g 541

<210> 13033
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143g11a1
 <400> 13033

gttgagagca ttagcagcac gaaatgattt taggaacata agaagaaca aggcttcaac 60
 aaaaattcag acacaatgga gaagagccca agctctttct gattacaaac agcaaaagaa 120
 agcaactgtt acacttcaat gtctatggag agctaaagt gcaaggaaag agctcagaaa 180
 gcttcggatg gctgcaagg aaactggggc acttaaggaa gcaaggaca agttggacaa 240
 acttggtgag gagcttacat ggagaataga tatcgaagag cacatgagga cggatcttga 300
 agaagctaaa gggcaagaga ttgcaaaatt gcaaatgct ttacaagaaa tgaaagctca 360
 gttagatgaa gcccatgctg cacttatata tgaaagagaa gcagcaaaaa tagcaattga 420
 acaagcacca ccagtaatta aagaggtacc agttgtggac gaaaccaagc tagagttact 480
 gacaaataaa aatgaggagt tggagactga agtagatgag ctgaaaaaga agattaaaga 540
 gtttgaagaa agttgctctg a 561

<210> 13034
 <211> 581

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220143g11d1
 <400> 13034

attaatatta gtatttatta ttgatataca gcacgtgaga ctcccaatct ctaagcatgg 60
 aactaaaag ggtaagaaac tctaaatcta aaccacttaa tccctacaac accacactta 120
 aaccgtggta gagagctcaa tttggttccc ttctgaattg ctatccccctt tgtcatggac 180
 ctgaattggc ttgtaggtgt acaatttggc acaaaccaag tagtaaataa gattgagaaa 240
 ctgcaatatg gtgataagcc agtaaaagta ctccaacttc cctttgttga ggttggtgtc 300
 agggagccaa tttgacccat tagaccacagc actgaacttg tggaccaaag taaccataat 360
 ggtactcaca tagttcccag cagcgatagc agtccaaaat aatgccatgg cagtgtctct 420
 catactctca ggggcctggt catagaaaaa ctccaagtgt ccaattgaca taaaggcctc 480
 agccattcca tgaaggctgt tttgagggac aagccagaac actgagaatg ggattatggc 540
 atgtgggtgg tcaaaagccc atggggccaca gctgcctttt t 581

<210> 13035
 <211> 589
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220143g12a1

<400> 13035

acttacttga agttgtgcta ttcaatcttt aagccacata aataatatta ttcagatttt 60
 agagactgaa aacatcatgg ccaacctga cctcgacca ttccagacaa gcattttaat 120
 cctcgtccca atagcactcc tgggtggcgtt actatctcgt actcgtcgaa gagcaccta 180
 cccaccaggc ccaaagggtt taccaatcat aggaaacatg ttaatgatgg agcagctaac 240
 ccaccgcggc ctgcgaacc tggccaaaca ctacggcggc atcttccacc tccgcatggg 300
 gttectccac atgggtcgcca tctccgaccc cgtcgccgcg cgtcagggtc tccaagtcca 360
 agacaacatc ttctccaacc gccagccac catcgccatc agctacctta cctacgaccg 420
 cgccgacatg gcttttgccc actacggccc cttctggcgc cagatgcgga aactctgcgt 480
 catgaagctc ttcagccgca agcgcgccga gtccctggcag tcagtccgcg atgaggtcga 540

cgccccgctt cgcgccgtcg ctagcagcgt cggaagccc gtcaacatt

589

<210> 13036
<211> 395
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143g12d1

<400> 13036

cttgtgttgc tggtttaaac caaactgaaa attataaaat ggggggggtt aaatgggtca 60
cggcctcata attggacgtt tacaatttcc atgactaatt accagtggga cttgctagac 120
aacaaggaaa accccttgtc caatcaatca acagtattaa ttgccctgac ccattcaaaa 180
tcctagtatt catgaaccga tcacccact gccttttaaa aactcccaa ttatgcctaa 240
cctatgagaa caaaaggcta tctaccccca cgaaactttg ggtcgaagct acaaccattt 300
gaaacaattc caaactcaag gatgggatat ccagcccag cttcgtgacg tgctaataca 360
aactgaaacg ctctaacaaa ttggctgttt atttt 395

<210> 13037
<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143h01a1

<400> 13037

tacttggatg ctcttgatgc tcattttagt gttactttta ttgacgaggt agacagtcac 60
cgtgtaagtg acaagactcg cggaacacgc tcggctgggtg ttaacaatcg tccgatagag 120
gctagaaatg ggctatgtac atgacagaag cttctagagg tgctaaatga tatgtgcctt 180
atagagcatc aaacatgaag catgcctctt gacttggctc tggcgagtga gcttgatcga 240
gtgtgccacc gacttgatca gctgatccac gaacagcgt cgaaccagaa cgatgtagag 300
tatggcatga accactttgc atgacagaac gctgcttggc atagatgaga acgagaaagg 360
attcatgatg ccataaaaca cgtgggtgaa taacttgcag tggagaacaa gttg 414

<210> 13038
<211> 590

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143h01d1

<400> 13038

gttcatttac gtccttgga tctttgattt tccacagttt gaaggaatgg gaagaatggg 60
 aatgtaaagg tgtgacaggt gcttttccac gtcttcaacg tctttctata gagtattgtc 120
 ccaagctgaa agggcacttg ccagagcaac tatgtcattt aaattatcta aagatttatg 180
 ggtgccaaca acttgtacct tctgctctca gtgcccctga tattcatcaa ttatccctag 240
 gagactgtgg aaagctgcaa attgctcadc cgacaacttt gaaagagctt accattacag 300
 gtcacaacgt ggaggcagcc ttactcgaac agattggacg cagttactct tgttcaaata 360
 acaatattcc catgcacagt tgctatgatt tccttgtaag gttggctcadc aatgggtggct 420
 gcgactctct aacgaccatt ccactagata tcttcccaat actcaggcag cttgatataca 480
 agaagtgtcc taatctacag aggatttcac aggggcaggc tcataatcat ctccagcadc 540
 tgagtattgg agagtgtccc cattagaadc attgcctgaa ggaatgcadc 590

<210> 13039
 <211> 578
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143h02a1

<400> 13039

ccattattgg cccccatttt actgttcadc aaggaagaat ttatcaattg aagctgtttt 60
 gtgataaaga ctaccagaa aagccccaa gtgttcggtt tcattcacga gtcaacatga 120
 cttgtgttaa tcatgaaact ggagtgggtg aaccaaagaa atttggctct cttgcaaatt 180
 ggcaaagaga gtacaccatg gaggacatac tgaccagct gaagaaggaa atggctgctc 240
 ctcataaccg gaagcttgct cagcctccg aaggtacct cttttagcat ccaacaagat 300
 ggtatagatg tcggatcgta ttgcatatgc tgcadgaat atatagtgtg taatgctttg 360
 tagatccttc cttctgaatt caagaacata ggggaatgcc ccgaaaagct tcatatttcc 420
 atctccatgg cttcagagtt gttttgctgt ctttgcacac ggtgctgaag gggactgttt 480
 gattgaaata ttggtgtgtc aaaaattttc gaagcaactc tttaagtagt attttatgta 540

atgtgtgctt tggctatggt tggcactct aatagtgg

578

<210> 13040
<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143h02d1

<400> 13040

ggaggattct cccgaagat ggtcctgttt tcttcactgc cataatctct gaattctact 60
atatcaacta ctcaagggca agggaaagct tccaacctta tgctggcggc gagactggtg 120
tcggtatggg aacctacaaa tgagcttcta gttaagaatt ttacagcaaa catttaggtg 180
tgactatata tggagtctgg attctgcagc acatttcctt gatttttagtg catttattgt 240
atttactgtc tagctacttt acaagaatgg tatacgttgt attttagtaa ttttttggtg 300
ttgttaccta ttgtcgtatg ttatgggtga ctgattcatt gcttctttac atttttgaag 360
ttctttgtca tgtatacatt tatcaacaag agaaataatt tcttgcatc tctg 414

<210> 13041
<211> 588
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143h03a1

<400> 13041

agatattagg gtttctgttt gcggttcggc gatcctagca ctctcttctg cagctttcgc 60
cgacagcttc attcaccatg gctgagcaaa ccgagaaggc ttttttgaaa caacaaaag 120
tgtttctcag ctccaagaaa actgggaagg gaaagagacc cggaaagggg ggaaccgct 180
tttggaatc cattgggctt ggatttaaga ctcccaggga agccatcgaa ggaacctaca 240
ttgacaagaa gtgccccttc actggcaatg tttccatccg tggccgtatc ttggctggaa 300
catgtcacag tgctaagatg aacaggacta tta;tgctag gaggaattat ctccatttta 360
tcaagaagta ccagaggtac gagaaaaggc actccaacat tctggtcat atatcacctg 420
ctttccgtgt gaaggaagga gatcacgtta ttattgggtca atgcaggcca ctttctaaga 480
ctgcgagggt caatgtgttg aaagtgatcc cagctggatc ttctagcggg gcaaaaaagg 540

cttttactgg aatgtgaagc ttgatttcca gttttattga agataatg

588

<210> 13042
<211> 634
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220143h03d1

<400> 13042

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aaacctcaaa gaaggtccaa agttgacaag gttttcatat ttgttatcat ccagaaaaga 180
aatcagatat aataattaat aaggtaacat ttatcttcaa taaaaactgg aaatcaaagc 240
tcacattcca gtaaaagcct tctttgcacc gctagaagat ccagctggga tcactttcaa 300
cacattgaac ctcacagtct tagaaagtgg cctgcattga ccaataataa cgtgatctcc 360
ttccttcaca cggaagcag gtgatatatg agcaggaatg ttggagtgcc ttttctcgta 420
cctctgttac ttcttgataa aatggagata attcctccta acaataatag tcctgttcat 480
cttagcactg tgacatgttc cagccaagat acggccacgg atggaaacat tgccagtga 540
ggggcacttc ttgacaatgt aggttccttc gatggcttcc ctgggagtct taaatccaag 600
cccaatggat ttccaaaagc ggattccacc cttt 634

<210> 13043
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220143h04a1

<400> 13043

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aatacgggta cgttcgcaag gtatcaggac cagtcgctcg tgcagatggc atggctgggg 180
ctgctatgta tgaactcgtg cgtgttggtc atgataatct cattggtgaa attattcgtc 240

tcgaaggga ttctgctacc atccaagttt atgaggaaac tgctggcttg atggttaatg 300
atccggtggt acggactcac aagcctttat ccgtggagtt gggacctgga atactgggga 360
atattttcga tggaaattcag aggcctttga aaactattgc tanacgatct ggtgatgtct 420
atatcctcgt ggtgtctctg ttccagcact cgacaaagat acactttggg aatttcaacc 480
taagaaaatt ggtgaaggcg accctttaac tggaggagat ttatatgcta ctgtttttga 540
gaacagtcta atgcaacac 559

<210> 13044
<211> 569
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220143h04d1
<400> 13044

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aagataatcc acttccacca aaaattccac ctatatgaat ccagaatccg cttgctgtag 120
gcacttcattg tctaagata attttattct cctaaatata tattgaaaga gcaagtctcg 180
tttcttattc tcaataaaca aactgaggat gactgaaaca catgattata gctacacatg 240
agactagatc aaaagccaaa ccagcaccaa gaaaggaaat aaatgtgata tgaatgaatc 300
gaacagtcāa atatgagaac actcgggacg ttgcaaccct gcgatgctag actgcgtctt 360
acaattggaa ataacacaat atttgagcaa actaccaaāt cttcaatcat caatcatcgg 420
gtttcgtcct caagggttgcg gaaaccatta gtcaggtcct catgtaactt ctgaaatttc 480
gcaaccaaag cagcttcccc ttctgctgga tctctaaatt tctgagacac taatcggtag 540
aacagatctt ccatacgatg cttgatag 569

<210> 13045
<211> 592
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220143h05a1
<400> 13045

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 attcatcccc gatacagaga ttcaaccaca attcaggaaa gaaaaacgag acaaactccg 120
 tttcgtatca atagaagctg gaatcgtatc gaatcgcgag atacggatcg tgaatcatta 180
 ttgtagaagt ctctgggtga tggctgggtc agaacctgta agtgcagagg gagagagtat 240
 ggctgtggat gctgccccaa ggaagccccg gattctactt gctgctagtg ggagtgttgc 300
 tgctgtcaaa tttgcaaatac tttgtcattg tttctctgaa tgggcagatg taagagcagt 360
 ttcctcaagt ggatctttgc atttcattga tagagcatca atgcccaagg atgtaattct 420
 atacacggat gacgatgaat ggtctagtgt gaagaactta ggtgatagtg tgcttcacat 480
 tgagcttcgc aaatgggcag atatcatggt catcgctcca ttatcggcaa acacccttgg 540
 cagattgctg gaggggtgtg tgacaatcta cttacatgta tcgntcgagc ct 592

<210> 13046
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143h05d1
 <400> 13046

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 aacaatgatg tttctggagt aaatatagaa tttgaagtct aatattatgg cagtgcgctg 120
 tagcaccoga aaagctgtat ttagaccact attgcagccg ctacagcggg tattgaaaat 180
 cgctcagcga tttcgacttc catagtaact cagggtgct gcgctccgtt atcctgctat 240
 agagtgctat tgactaccat gaatgggggc gtaggactac cccttcattc accttaaggt 300
 taccacagct ctacctatga caacaggtaa agttcatata gatggatagt agtataaaat 360
 gaagttgaga ttcacataat gcacaaggaa gatgatttgc caagattttt tacatgttca 420
 tttcatgctt accgtttggg tattcaacag gtttgcattt tgtagcgta aaaggtcatt 480
 atctgcatat aatctgattt tttctgcata aaaagttcat cttgtggatg cggctctgatt 540
 gctagcaact tcagattttg tgcttgctgt t 571

<210> 13047
 <211> 506
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143h06a1

<400> 13047

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ctttttgatt acgaaaatgt tgaagagatc gggttttgaa gaagaagcag ttcaattgat   60
caactcagat ttcaggggacc taagtctagc tgctaataga ctgccccatc atgccatcaa  120
acttggtggc attggctttg gagcctcttt ttteggattg tttgctgcca ttgctgctat  180
ttatctgttg attttggatc gtacaaactg gaaaacaaat attctcacag cactactcat  240
tccatacatt ttcttcagct tgccttcatt aattttcgac gtcttcaggg gagagcttgg  300
aaaatggatt gctgcagttg ctgttgattt acgccttttc cttccaagac acttccctga  360
ttggctggaa ttgcttggtg ctctgattct tcttatcggt gtagctcctt ctctaattgc  420
aagcaccttt agagacaaca ttgttggggg ggtagtgtgc ctcacattg catggtattt  480
gctgcaagaa cacattcggg cttctg                                         506

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<210> 13048

<211> 636

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143h06d1

<400> 13048

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agcacacaca cgtgacctat cattgaatag cagctgtatg ctacataccc ggtaaacgcg   60
aataccagtc ggcggccgcc cttttttttt tttttttaaa ggaaaaattt tatatttata  120
tatatttctc tatgatacag tgtatatacc aaacatcggt attccctgac taagttatcc  180
atccccatgt tgagggggag aagccactag catctcttcc actttatcca tgtcccgtgc  240
ctagtaaaac caatctccac aagccattcg ctaattggct aacataaaat aatgcactct  300
ctcaagctat ttgcatgcta atgagagttt gcttttctgc aactaaagaa gaatctagta  360
caaaatatgt attctgcaa caatgacagg tttagaaaca gaacttttgg ttggcaggat  420
atcaagcgat gatgaaaaat cccgaatatg cagtatttat tcaagtcgtg aatcaaatca  480
tatatatgct agtgagccac gatcaaagtc cggctgaggt cgaccccag taggagttgg  540
tggcctctga atattaagct cctgcatcca tgtttcatcc ataacacgct caggagatgt  600

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ctcaggagac tgaaagggaa gtggtatggg atgaat

636

<210> 13049
<211> 506
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143h07a1

<400> 13049

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tccaataaga gtcgctgct agtgaaccct aacacggcgg caacgagagg tgttcggttg 120
aagctcagat cagcgatggc agcagcaacc cgcacttctc tgcggttcct cctctcagtc 180
tccgtaaccc taactctcgc tcacctcgcc gcctcaaatt ccgaaggcga cgctctctac 240
acgctgaaac ggagcctctc ggaccctgac aacgttctcc agagctggga tcccactctc 300
gttagcccct gtacttggtt ccacgtcacc tgcaaccagg acaaccgagt cactcgagtg 360
gatcttggtg actctaacct atctggacat ttggtacctg aacttgggaa gctggagcat 420
ctacagtatc ttgagttgta caaaaacaac attcaggaac tattcctcca gaacttgga 480
acctaagag tctagttagc ttggac 506

<210> 13050
<211> 555
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220143h07d1

<400> 13050

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agagtgggta tatatatata taacggtttc actcaaggca tatatttata tgggtccatt 120
ctcatctagt gatgaatcag aggcagagtc atctagtgtt gagtttgatg tagtctccaa 180
ttgaccccca ctctcgttat cggaagttcc cactgtcctt tcttcatgag ggtgttttag 240
gcaccaagac attatactag ctgttagtgt aaggatcatt tttggattca cctcagtgat 300
gtcttcagga agcaggaata tagaacatcc aagctttctt gcaatactga taatgtaggt 360
ggcgttcatc tttttctctt ggtaggttac tccctttggtt acaagacccc aatttacagc 420

tctgggtgtc actgaactta gaagctcaag gaaaaatatt ccatctgata aactttttatc 480
 cttaaaactg tccatgcggc tttggcttct ggagctgcta accttgcttg tgcccactct 540
 aaaatatcag catca 555

<210> 13051
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143h08a1
 <400> 13051

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 tataatatat gggtcttttt atgaagctcc cttttcctcc tcattcttct tcctcactgc 120
 tccatttcac attattatta ttgtttttta ttgtgtgtaa aacaaggga gttgtgaaac 180
 ttccgcaaaa tggttcaggt ccagcagtggt tgggtgttgg agattcaatc gtggacactg 240
 gcaacaacaa caacaactta ggaacaacag ctcggtgcaa ttaccaccca tatggtaaag 300
 attttgaggg aggcaaacca actggtcgat ttagcaacgg aaagggtcca tctgacttta 360
 tagctgaaga attgggcatt aaagagtatg taccagcata cttggatcca catctccaac 420
 ctggtgaatt ggccactggt gtgtgctttg catctggtgg tgcaggatac gatcctttga 480
 catcgc 486

<210> 13052
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220143h08d1
 <400> 13052

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 taactttcat ctggacatta aattaataac aacgaaatac ttaaactctaa tctgaaattg 120
 gcccccaaaa aaaggatttt cctttaaaca aaaattgaca ctataggata tcctcagctt 180
 ttaaaaaaat gccagaaaac tccagcagct gacatgggga actacatatg ctaacgctca 240
 aaaggagcca cgccttggcc tgtcctcagc aacactcacc ttaattgccc ttccgtccaa 300

acttttgcca tcaaaagcag caccggcatc attcatttct ggctcatcag acattgggac 360
aaagccaaag ccacgtgatc gacctgactc cctgtcataa actacccgag cattttacaac 420
attaccgtgt ttactgaaaa tttgcttcag ccgggtattg gcaacatccc atggcaaatt 480
acccacattg attgataag 499

<210> 13053
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220143h09a1
<400> 13053

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caccgtcacg caaaaaaacg cccctggccg gccacggaca acgccgggag ggggccaacc 120
ctggccaacc ccaaccaag ggccgggagc ggcaccccc caaaggcggg gggcaaaacc 180
aagaaggggc ccgtgacgat cgcccccccc accggaggcg caaccggaaa ggggaccggc 240
acgcgccccg ccccgcccc tcacccccgg cgggaggggc gggaacgccc accgtgggag 300
gccccccgc cacagcccca acgcccgcgc ctacgggggg tgccccccgc cccgggcccc 360
gggcacaggc cgccccctc aagcccgacc ccg 393

<210> 13054
<211> 429
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220143h09d1
<400> 13054

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gtaaagtcca tttcatttca tcagaaaaat gggtagctta caaagctttt ttatatcaca 120
accaataacg cgccctaaaa ttcaaagaaa gagggccaca agaggtttaa tttaacaaaa 180
acaacctatg ccccgctga ttcaaaccga ggcttaggcc aacgtacgag ctccggccca 240
tggaacaatt cgctatatgc cccaggggga cataacacag caaaaacaa ttaccggggg 300
aagaacaaa attacaaaca tgtaccacgt attaacgagg gctgcctgaa tgggtgggaac 360

cactgaaaat ttacttacat taaatgccaa caagggactc tggggggggcc actgggaacc 420

ctgacttat 429

<210> 13055

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143h10a1

<400> 13055

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actaaaaccc tatagctgct tgtgaaattc gaaatatctc agactcttct taccatcaaa 120

acaaaaaaca gtactcatca aaaacaaaca gcaatgaaaa ttgaccaccg ccgatcaaga 180

acctagtttt gaaagttacg gctacatgaa atcggcagaa acttaaaaat ataacttaaa 240

caaacacct aagactctgc aaggataaaa ctactataaa ggagtaacca cgatgatgat 300

cacatgtgct agcaaaattg cccaaatgca atcacttctt cttggcagcg gccttgggtga 360

ccttggctcc ggtggggtct ttcttctcaa cactcttgat gactccgaca gccacagttt 420

gacgcatgct cctcacagca aaacgaccaa ggggaggata ctcaaagaaa gtttcaacca 480

ccatgggct 489

<210> 13056

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220143h10d1

<400> 13056

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tataagatga cttctgttac ataaatcaag ctcaggacct ctagtgcact acttaaaact 120

attttcatca gacttaagga taccatatta gcttgaagggt aaaccattgg aatattgtcc 180

cagaaatgat ggctgctggac tagtactttt cttgaacttt atctccttaa tgatcatgat 240

tgatcctagg ctgctttccc c 261

<210> 13057
 <211> 616
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143h11a1

<400> 13057
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 tacggcaata ccgagcacgg canncnnann aaaaggaaan ncaaancatn ncnnnnataa 120
 atttaaaaaa ttttctttta ttaaataattt aatggaatta aatagttaaa ttaataaaat 180
 tagtcgtggt ttattcgatt ttttgaattg gttttttttt acagtagcta atgctagtca 240
 ccgaacttag tcaatgagct agaatgggtt ataaagatat ctatagatat atatagatat 300
 atttatctat agatatcttt agaaaaaaaa aaagaaaata aacaaataag acgtatcatt 360
 ttatgtatag tagtggggaa ttatgggaca aaaaataaat ccgcttggtt tcagacttgg 420
 tacaactcaa agtcatgatt ctatttggtt tgctcaacca acaaattatt ccgagaatat 480
 acaagaagat aaaaaaatac gagattgtat caaaaattat atacaaaaaa atataagaat 540
 atcctctggt gttgagggaa ttggacagat aaagattcaa aaaagaattg atcctattca 600
 agttataata tatatg 616

<210> 13058
 <211> 355
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143h11d1

<400> 13058
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 aggctttgaa ggaaaaccac ttaatgccta caacgccaca ctaaaaccga ggagacagc 120
 tcaatacggg tccctgctga agtgcaatcc actttgcgaa ggacctgaat tggcttgcaa 180
 gcgcacaacc agggggcccc catttaggaa atcagattga cacactgctg cacggcgcta 240
 ggccattggg agaaccctaa ctggcctgag cagaggggtga aggcaggggg ccaacaagac 300
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<210> 13059
 <211> 668
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220143h12a1

<400> 13059

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aaattttctt taattaaata tttaatgaaa ttaaataattt aaattaataa aattagtcgt  180
gttttattcg attttttgaa ttgggtttttt ttacagtag ctaatgctag tcaccgaact  240
tagtcaatga gctagaatgg gttataaaga tatctataga tatatataga tatatttatac  300
tatagatatc tttagaaaaa aaaaaagaaa ataaacaaat aagacgtatc attttatgta  360
tagtagtggg gaattatggg acaaaaaata aatccgcttg gtttcagact tgggtacaact  420
caaagtcattg attctatttg gtttgctcaa ccaacaaatt attccgagaa tatacaagaa  480
gataaaaaaa tacgagattg tatcaaaaat tatatacaaa aaaatataag aatatacctct  540
ggtgttgagg gaattggaca gataaagatt caaaaaagaa ttgatcttat tcaagttata  600
atatatatgg gatttccaaa gttttaatag agggtagtct caaaaatcga agaatacaga  660
cgaattgc                                         668

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<210> 13060
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220143h12d1

<400> 13060

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aacttctgta agttcttttt tgaaacaata aatgggtaag ttaaggggga aatccaagtc   60
ggggaaagaa aatttttagaa ttacatgtag aaagctaact acatcctgca cctcaaaaca  120
gactcctcag caaaaactcc gcctggagag caagttgaaa gggaaacca caacggaata  180
ctaccatatc ctttagcatc ttataggcag taactcactc tagctttata ccgtccatct  240
cattgatcac cccttcaagc ttgacaatct gacgcaaaaa gtaatcccca taacgtttgg  300

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caggcttaga ctccataaca tgaattgtgt catcattaat atagaaatct aaatcggcac 360
 tggatgtaat tttcccatca ctatcaacag catgtgtctt gtgcttgat gtcacatcaaga 420
 tagtccttaa ggtgggttca tccacttcca tgtaacttgc aagttttgtg agggagattg 480
 ttgaatacac tttcaagaag gtccggacac ctgatagcaa ctg 523

<210> 13061
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144a01a1

<400> 13061

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 actagtagat taaacgcaa agaaataaat tactcacttt cacgtaaacc ataacgtgct 120
 tccaccgcaa ccaaccacaa tgggtgccgt taggtccata acggtgttgc tactagtgtt 180
 atttatggcc atgagctccg gcggtgcgtc gtgtccgccg tcggacaggg cggcgctgct 240
 ggcattcaag gcggcgctcc acgaacccta cctgggaatc ttcaactcgt ggaccggcgc 300
 cgactgctgc cacaagtggc acggcgtagc ctgacgaccag gagaccgcc gcgtcgccga 360
 catcaacctc cgcggcgagt cggaggagcc gatcttcgag cgcgcccacc gcaccggcta 420
 catgaccggc tacatctcgc cggcgatctg caagctcgcg cgcctctcca gcatcaccat 480
 cgccgactgg aagggaatct ccggcgagat cccgcgctgc atcacgacc 530

<210> 13062
 <211> 588
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144a02a1

<400> 13062

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 ataaagggga acttggtgat tatgcgaaag aatgtgttgg atatcaacag cattaccagt 120
 gttaagggtg tcacggaac cggcattaac atcattggag gagtcgtcga caccgttact 180

gctttggcgt cccacatctc catccagctc attccatatt tgaggaaaat aaatgcaact 240
 accacaaaga cttacgctac aagaaccata tttttcttga aaagtgatgg aaccttgacg 300
 ccattggcca ttgagttaag taagccgcat cctcaggggtg aaggatatgg tcctgttagc 360
 gaagtctacg tgccttcgag cgagggagtt gaagcttaca tttggttact ggcaaaggct 420
 tatgttggtt tgaatgattc gtgctaccat caactcgtca gccactggct aaacactcat 480
 gcgggttggt agccattcgt catagcaaca aacaggcatc tgagcgtggg tcaccctatt 540
 tacanacttt tgtttcctca ctatcgtgac accatgaaca ttaattca 588

<210> 13063
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220144a03a1

<400> 13063

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 tgaaccttaa ggctactgag ctgagactgg ggcttccggg attgcagtct cccgaacgag 120
 attcagatct ttgcttgaga agttcaattc agtttgatga aaaaccactg tttcctttgc 180
 atcctgctac tgatgatcac cattcctcat caaagcctgc tgttttgggt aacaaaagag 240
 ggttctcaga tgatcatgag ggattcgcgc aggagaaatt gcttgttagt tctgaggtca 300
 acacaatatt gtcaccaagg ctttcttcta atgtggcatt gaaaccaagc tctatgcttg 360
 agaatgttgg ggctcagcaa tccaaagcca aagaactcgc aacagcgaag gttggtcttg 420
 agaggtctca tgttttcaat gatagcagaa caaatctgaa tgattctgct aataacaata 480
 gcagtgcacc agctaccaag gcacag 506

<210> 13064
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220144a06a1

<400> 13064

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ctccttgcca gaagttaaaa tggcccaaga aactttccta ttcacatctg aatcagtgaa 120
 cgagggggcac cctgacaagc tctgtgacca gatctccgat gctgtgctcg atgcatgctt 180
 ggagcaggac cctgacagca aggttgccctg tgaaacctgc accaagacca acatgggtgat 240
 ggttttcgga gagatcacia ccaaggccaa cgtggactat gagaagattg tgcgtgacac 300
 atgcaggaac attggttttg tctctgatga tgttggtctt gatgctgaca actgcaagggt 360
 cctcgtcaac attgagcaac agagtcctga tattgtcaa ggtgtgcacg gccacctcac 420
 aaagaggcct gaggagattg gtgctggtga ccaaggcat atgttcgggt atgccactga 480
 cgagactccc gagctcatgc ccttgagcca tgtccttgcc acgaagctcg gtgccaagct 540
 caccgaggtt cggaagatcg gacatg 566

<210> 13065
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144a07a1

<400> 13065

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 ttctctcaat gaaaatgtaa agctgcaacc atcacgccgc agatctctct ttacactggc 120
 aacatccatg attatcttcg catccaaggc ctacaacatc ctctctctaa tttctattgc 180
 taaaacgaca ttgacagata gaacagttga tccattcctg caactgggta atgatagcaa 240
 gttacaagcg gttactgata cagataagca gccaaagtaa gtttatggat caaaagagga 300
 tgatgaagat gcttttaaagt cactttcagc aataaagtta actgagagcc agtctaaaga 360
 atcatttgct accatgatag tgcagagtct gggaaaatcg tctaatgaat catccatctt 420
 aagagaacgg ctgctgaatg atttctcacc tgatgatgcc tgtccttttg gagcccagtt 480
 atctgccgag acaacaggaa atatgtacca gtctggacta aaagaagata aacttcctga 540
 tatggntgaa atttcattat ttactattga cgatga 576

<210> 13066
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144a08a1

<400> 13066

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aactttgtga aaagattgca tgatcttgca gttcagaaga ggggttatgt tgacttgcaa 120
gagatgggtca gggaggacag tatcacatgc tcatatggat ccactcttcc acaagatcct 180
acttgtagat taccatgtag tttgacagaa acagatcctt atactttcct gatacgtgga 240
gaaaattatc ttgaagaccg ccagaagggt aaagcaaagg gaaccttgat gaaaatgggt 300
gctgcagatt gggtgagatc tgacaaaagg gaagatgacc ttggtggccg tcctgggagc 360
attgctcaga aatatgctgc acagggagga cccgagttct ttttcattgt aaacattcag 420
gttccagggt ctactacata tagtctagca ctatactata tgatgaatac tcctgtggaa 480
gatgctcctt tgctagagag ttttatcaag ggtgatgatg ccttcagaaa tccagattta 540
aactatccat aca 553
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<210> 13067

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220144a09a1

<400> 13067

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aatggactct ggatcacttg ctatcccttg caaatgttcc taagttcaag atttttcttg 120
tttatgcaa gccttctggt gcctctgctg tcggttttgt tggccctgga gccgctgagg 180
tgttacctgt tggtgaggcc gatttgagaa aaacagctgc caaaatcact gaacgtgcta 240
cagaactatg caagaagaaa tccgtaaatg acgtagcagt ggaagtgcta gaaggtgatc 300
ctagaaatgt tctttgagag gcagtggaaa agcaccaagc ttcaatgttg gttgtgggta 360
gtcatgggta tgggacttta aaaagagcgg ctctaggtag tgtaagtgc tattgtgctc 420
atcatgctca ctgcactgtc atgatcgtga agaaacaaa gcacatacac tgatctcaat 480
cggtggctcc gattaaatag cagtgcacat aaatcttttc agcaacagg 529
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<210> 13068
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144a10a1

<400> 13068

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 ccggtagtgg acatggccag actcttcgcc ttgcacgacg tcgacgtcac catcatcacc 120
 accgcacata acgccaccgt ttttcaaaag tccatcgatt tagatgcgag tcgcggtcgc 180
 cccatcagaa cgcacgttgt caacttcccc gccgcacaag tgggtctccc cgttgggatc 240
 gaagccttca acgtcgatac gcctcgggaa atgaccccca gaatctacat gggcctatcc 300
 cttctccaac aagtcttcga aaaactcttc catgacttgc aaccggattt catcgtcacc 360
 gacatgttcc accgttggag tgtcgatgct gctgctaaac tcggcattcc aggatcatgt 420
 tccacgcgca tggtatctcg ctgccttcgc tgcgcactcc gtgaacagta cgcacnccac 480
 ttggaagcaa aattcgacac cgccagttcg tggtagctgg gttacccgat aacttgga 540
 t 541

<210> 13069
 <211> 440
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144a10d1

<400> 13069

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 gatcgtagat tcgtagtaca tactcaccaa aatgatgatg gacatcctga gtgctagaag 120
 ttacaaaaac caatgaaact aagaaaaaag acaatgatgg atttccctgg gatactgata 180
 ctgctaagac taataagagt gtcccaaaat acattactct tggtcaaaag atggaaaagc 240
 agaaccagtc ttaaggattg ggtgcggtct cttgagcctc cttggaaagc ttgatctcct 300
 tgagctcccg aatcaattcc ttcattgtgt tgtgcgaaga tccaccaacc tttatagcac 360
 tctatgccgc aacgcttagc tccttggtct tcttctcat tcctccatct tcttcttct 420

cactcatcaa cgaagcaatc

440

<210> 13070
<211> 350
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220144a11a1

<400> 13070

ggtttgaggg tctcttcttt atacggatgg cagcaccatt ggcattgtctt gttgggagtg 60
gtttatctat acagagtaat aaattaactc ttggcaagga cgtcaatgga agatatctct 120
tctcatatca taggctttca gcacaagagt agggagtcaa agacaatatg cataaaggca 180
tccttgatc aaaggaagca tgaagggaga agaggatttc tgaaattggt gaattgtggga 240
gttggttac ctgtattatt aggaggtggg aaagcgtatg ctgatgaaca aggaccttcc 300
tcctccagaa tgtcttattc cagatttctt gagtatttgg ataaggtaga 350

<210> 13071
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220144a11d1

<400> 13071

tggacaanaa ggtatagcta gatgcatncn cnnataaatt ataagaaaca aaccaaaaaa 60
anaaaaaaaa nnaaannaaa nnnnnnnnan nnnnaatttt attttttnat nnnancaa 120
aattacaatg agggaggggg ttaatatgat tactattcac taagggtgaca ttatgtacta 180
attgtgaaga aacatacatt ttctgttgcc aacacaagaa taaaggaatt gcagaagcaa 240
gctaggatct tttgtgatta ctaaaataaa gagtcagggg tatattacaa atattttaca 300
attatagaaa aattcagtat gtggagagct acactacatt gcagtggcat ataggctatt 360
caaacaacat ctggtgaggg agtataagga gggacccgat tttcaagaag aatattaaca 420
gactcggaca ggagagctcg gaattcatct acagacattg tctac 465

<210> 13072
<211> 563

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144a12a1

<400> 13072

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cccggnnnnn ggntcgnngg ggganccttg gctggnnggg caccctttga agtgcatttg   120
gtgttacagg tactactgtt ccagggttca gtctggcct gagcttgcca caagcacttt   180
ccaacacaag aactgatggg ctaggagcac tctacagaga aggcacagct tccttctca   240
actccatggt gaacaacaag ttcccttaca ctaccaacca agtcagggac aggtttgtgg   300
cctcactcaa ctccaacaag gccgcagaag cacaagccca gctcttcaag atggccaatg   360
aaggaagaat gaagcctaga ccatgatgag caagatagat tattaagtaa tcttaattag   420
tttaattttg gtgtgttgat tcaacttaag aacatttata tttaagattt ctgtagttt   480
gtatcattta aggctctaca tgtgttcatt aatatgtctt gagatggata tcatgtttct   540
tcgaacttta atgcaaactt tat                                           563
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<210> 13073
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144a12d1

<400> 13073

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aaaaaggagg gannaaaann annnnnaant tttttaattt ttaaaanaan gnnnnnnnna   120
naaaaggggg gggggataaa taaaanaaaa aannagaaaa aaacccccca aaaaaccaa   180
tttccttct acgacttttt attgaacccc ttttaagacc ctttttcttg ccaccctacc   240
caaaatctta aatataaagg tttttacagg gaatgacccc cccaacttaa acctatcaa   300
aatccttaaa aatctttccc ggtcattaag gacaaagctt aattcttctt tcattggcca   360
ttttaaaaaa cctgcctttt tctcttccgg cctttttgga attagaagag gccccaaacc   420
ctcccccttc attgttctaa aaagcaaggg aactttttgt ccccccttct gatgaacaaa   480
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